

GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:42:33 ; Search time 21.6555 Seconds

(without alignments)
813.183 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104
Sequence: 1 DIQWTSPTLSASVGRVT.....EYTHQGLSPVTKSFNNGEC 213

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued Patents AA: *
2: /cgn2_6/ptodata/1/1aa/5 COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6 COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/H_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/PTCUS_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/RE_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1057	95.7	235	2	US-09-910-059-52 Sequence 52, Appl
2	1051	95.2	235	2	US-09-171-945-99 Sequence 99, Appl
3	1051	95.2	235	2	US-09-910-059-99 Sequence 99, Appl
4	1050	95.1	235	2	US-09-171-945-52 Sequence 52, Appl
5	1049	95.0	213	2	US-09-996-288-231 Sequence 231, Appl
6	1049	95.0	213	2	US-09-996-265-231 Sequence 231, Appl
7	1044	94.6	213	2	US-09-996-288-255 Sequence 255, Appl
8	1044	94.6	213	2	US-09-996-265-255 Sequence 255, Appl
9	1043.5	94.5	213	2	US-08-630-820-6 Sequence 6, Appli
10	1043.5	94.5	213	2	US-09-271-453-6 Sequence 6, Appli
11	1043	94.5	213	2	US-09-996-288-233 Sequence 233, Appl
12	1043	94.5	213	2	US-09-996-288-239 Sequence 239, Appl
13	1043	94.5	213	2	US-09-996-288-241 Sequence 241, Appl
14	1043	94.5	213	2	US-09-996-288-247 Sequence 247, Appl
15	1043	94.5	213	2	US-09-996-265-233 Sequence 233, Appl
16	1043	94.5	213	2	US-09-996-265-239 Sequence 239, Appl
17	1043	94.5	213	2	US-09-996-265-241 Sequence 241, Appl
18	1043	94.5	213	2	US-09-996-265-247 Sequence 247, Appl
19	1042	94.4	213	2	US-09-996-288-211 Sequence 211, Appl
20	1042	94.4	213	2	US-09-996-265-211 Sequence 211, Appl
21	1041	94.3	235	2	US-09-171-945-97 Sequence 97, Appl
22	1041	94.3	235	2	US-09-910-059-97 Sequence 97, Appl
23	1039	94.1	213	2	US-09-996-288-237 Sequence 237, Appl
24	1039	94.1	213	2	US-09-996-288-243 Sequence 243, Appl
25	1039	94.1	213	2	US-09-996-265-237 Sequence 237, Appl
26	1039	94.1	213	2	US-09-996-265-243 Sequence 243, Appl
27	1038	94.0	213	2	US-09-996-288-245 Sequence 245, Appl

28	1038	94.0	213	2	US-09-996-265-245 Sequence 245, Appl
29	1035	93.8	213	2	US-09-996-288-221 Sequence 221, Appl
30	1035	93.8	213	2	US-09-996-288-257 Sequence 257, Appl
31	1035	93.8	213	2	US-09-996-265-221 Sequence 221, Appl
32	1035	93.8	213	2	US-09-996-265-257 Sequence 257, Appl
33	1034	93.7	213	2	US-09-996-288-217 Sequence 217, Appl
34	1034	93.7	213	2	US-09-996-265-217 Sequence 217, Appl
35	1033	93.6	213	2	US-09-996-288-235 Sequence 235, Appl
36	1033	93.6	213	2	US-09-996-265-235 Sequence 235, Appl
37	1031	93.4	213	2	US-09-996-288-209 Sequence 209, Appl
38	1031	93.4	213	2	US-09-996-265-209 Sequence 209, Appl
39	1030	93.3	213	2	US-09-996-288-219 Sequence 219, Appl
40	1030	93.3	213	2	US-09-996-265-219 Sequence 219, Appl
41	1029	93.2	213	2	US-09-996-288-215 Sequence 215, Appl
42	1029	93.2	213	2	US-09-996-288-227 Sequence 227, Appl
43	1029	93.2	213	2	US-09-996-288-253 Sequence 253, Appl
44	1029	93.2	213	2	US-09-996-265-215 Sequence 215, Appl
45	1029	93.2	213	2	US-09-996-265-227 Sequence 227, Appl

ALIGNMENTS

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RESULT 1
US-09-910-059-52
; Sequence 52, Application US/09910059
; Patent No. 6903203
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; TITLE OF INVENTION: Their Therapeutic use in an Adept System
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910,059
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-09-910-059-52
Query Match 95.7%; Score 1057; DB 2; Length 235;
Best Local Similarity 93.9%; Pred. No. 1.6e-75;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGRVTITCSASSISYMHYQOKPKAPKLLIYTSNLSGVPAR 60
DB 23 DIQWTSPTLSASVGRVTITCSASSISYMHYQOKPKAPKLLIYTSNLSGVPSR 82
QY 61 FSGSGSTETLTITSSIQPDPAFTTYRHQNSTYPLTGGGTKEVKTVAAPSVFIRPPS 120
DB 83 FSGSGSTETLTITSSIQPDPAFTTYRHQNSTYPLTGGGTKEVKTVAAPSVFIRPPS 142
QY 121 DEQKSGTASVCLNNFYPREAKQKVNALQSGNSQSVTSEDSKSTYSLSSTLT 180
DB 143 DEQKSGTASVCLNNFYPREAKQKVNALQSGNSQSVTSEDSKSTYSLSSTLT 202
QY 181 SKADYERKHYACVTHQGLSSPVTKSFNNGEC 213
DB 203 SKADYERKHYACVTHQGLSSPVTKSFNNGEC 235
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RESULT 2
US-09-171-945-99
; Sequence 99, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE REFERENCE: Monoclonal Antibody, and Their Therapeutic Use in an Adept System
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: US/09/171,945
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-99

Query Match 95.2%; Score 1051; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 4.7e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAKPLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSSVTYMHWYQKPKAKPLIYTSNLSAGVPSR 82
QY 61 FSGSGSTGTEFTLTISLQDPDFATYTCCHQSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 120
DB 83 FSGSGSTGTYFTLTISLQDPEDATYTCQQRSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSTLT 202
QY 181 SKADYERKHYACVETHQGLSSPVTKSFNRGEC 213
DB 203 SKADYERKHYACVETHQGLSSPVTKSFNRGEC 235

RESULT 3
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. 6903203
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910,059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04

; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: humanised light chain fd sequence
US-09-910-059-99

Query Match 95.2%; Score 1051; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 4.7e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAKPLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSSVTYMHWYQKPKAKPLIYTSNLSAGVPSR 82
QY 61 FSGSGSTGTEFTLTISLQDPDFATYTCCHQSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 120
DB 83 FSGSGSTGTYFTLTISLQDPEDATYTCQQRSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSTLT 202
QY 181 SKADYERKHYACVETHQGLSSPVTKSFNRGEC 213
DB 203 SKADYERKHYACVETHQGLSSPVTKSFNRGEC 235

RESULT 4
US-09-171-945-52
; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: US/09/171,945
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-52

Query Match 95.1%; Score 1050; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 5.6e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAKPLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSSVTYMHWYQKPKAKPLIYTSNLSAGVPSR 82
QY 61 FSGSGSTGTEFTLTISLQDPDFATYTCCHQSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 120
DB 83 FSGSGSTGTYFTLTISLQDPEDATYTCQQRSTYPLTFGQSTKYVEKRTVAAPSVFIIPPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSTLT 180

Db 143 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 202
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 203 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 235

RESULT 5

US-09-996-288-231
; Sequence 231, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-231

Query Match 95.0%; Score 1049; DB 2; Length 213;
Best Local Similarity 94.8%; Pred. No. 6.1e-75;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPAR 60
Db 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Db 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 6

US-09-996-265-231
; Sequence 231, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-231

Query Match 95.0%; Score 1049; DB 2; Length 213;
Best Local Similarity 94.8%; Pred. No. 6.1e-75;

Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPAR 60
Db 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Db 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 7

US-09-996-288-255
; Sequence 255, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-255

Query Match 94.6%; Score 1044; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.5e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPAR 60
Db 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPKAPKLLIYTSNLSAGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Db 61 FSGSGSGTEFTLTITSSLPDPDFATYYCHQSTYPLTFGGGTKVEIKRTVAAPSVFIRPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSSTYLSSTLTL 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 8

US-09-996-265-255
; Sequence 255, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265

;; CURRENT FILING DATE: 2001-11-28
;; NUMBER OF SEQ ID NOS: 259
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 255
;; LENGTH: 213
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-996-265-255

Query Match 94.6%; Score 1044; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.5e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHVYQKPKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHVYQKPKAPKLLIYTTSNLASGVAPR 60
QY 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKVEIKRTVAAPSVFIFPPS 120
DB 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKVEIKRTVAAPSVFIFPPS 120
QY 121 DEQLKSGTASVCLNNFYPREAVQWKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
DB 121 DEQLKSGTASVCLNNFYPREAVQWKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPTVKSFNNGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPTVKSFNNGEC 213

RESULT 9
US-08-630-820-6
; Sequence 6, Application US/08630820
; Patent No. 6008023
; GENERAL INFORMATION:
; APPLICANT: OPPER, Martin
; APPLICANT: BOSSLER, Klaus
; APPLICANT: CZECH, Joerg
; TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
; TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
; NUMBER OF SEQUENCES: 7
; IN E. COLI
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,820
; FILING DATE: 10-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 19513676.4
; FILING DATE: 11-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683
; REFERENCE/DOCKET NUMBER: 18748/306
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 213 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

;; MOLECULE TYPE: protein
US-08-630-820-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
Best Local Similarity 93.9%; Pred. No. 1.6e-74;
Matches 200; Conservative 8; Mismatches 4; Indels 1; Gaps 1;

QY 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHVYQKPKAPKLLIYTTSNLASGVAPR 60
DB 2 DIQMTQSPSTLSASVGRVITTCSTSSVSVMYHMQKPKAPKLLIYTTSNLASGVAPR 61
QY 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKVEIKRTVAAPSVFIFPPS 120
DB 62 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKVEIKRTVAAPSVFIFPPS 120
QY 121 DEQLKSGTASVCLNNFYPREAVQWKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
DB 121 DEQLKSGTASVCLNNFYPREAVQWKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPTVKSFNNGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPTVKSFNNGEC 213

RESULT 10
US-09-273-453-6
; Sequence 6, Application US/09273453
; Patent No. 6602688
; GENERAL INFORMATION:
; APPLICANT: OPPER, Martin
; APPLICANT: BOSSLER, Klaus
; APPLICANT: CZECH, Joerg
; TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
; TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
; IN E. COLI
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/273,453
; FILING DATE: 22-Mar-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/630,820
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683
; REFERENCE/DOCKET NUMBER: 18748/306
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 213 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-273-453-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
Best Local Similarity 93.9%; Pred. No. 1.6e-74;

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Matches 200; Conservative 8; Mismatches 4; Indels 1; Gaps 1;

Qy 1 DIOMTQSPSTLSASVGDRTVTTCGASASSISYMHVYQKPKGAPKLLIYTSNLSAGVPAR 60
Db 2 DIOMTQSPSTLSASVGDRTVTTCGASASSISYMHVYQKPKGAPKLLIYTSNLSAGVPSR 61
Qy 61 FSGSGSGTEFTLTSSLPDDPATYTCGQSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
Db 62 FSGSGSGTEFTLTSSLPDDPATYTCGQSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
Qy 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Db 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Qy 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Db 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Qy 181 SKADYEKKHVVACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYEKKHVVACEVTHQGLSSPVTKSFNRGEC 213

RESULT 11
US-09-996-288-233
; Sequence 233, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 233
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-233

Query Match 94.5%; Score 1043; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGDRTVTTCGASASSISYMHVYQKPKGAPKLLIYTSNLSAGVPAR 60
Db 1 DIOMTQSPSTLSASVGDRTVTTCGASASSISYMHVYQKPKGAPKLLIYDTFKLASGVPSR 60
Qy 61 FSGSGSGTEFTLTSSLPDDPATYTCGQSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTSSLPDDPATYTCGQSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
Qy 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Db 121 DEQLKSGTASVYVCLLNNTYPREAKQWQVNDALQSGNSQESVTEQDSKOSTYLSSTLT 180
Qy 181 SKADYEKKHVVACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYEKKHVVACEVTHQGLSSPVTKSFNRGEC 213

RESULT 12
US-09-996-288-239
; Sequence 239, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288

```

```

CURRENT FILING DATE: 2001-11-28
NUMBER OF SEQ ID NOS: 259
SOFTWARE: PatentIn version 3.1
SEQ ID NO 239
LENGTH: 213
TYPE: PRT
ORGANISM: Homo sapiens
US-09-996-288-239

Query Match
Best Local Similarity 94.4%; Score 1043; DB 2; Length 213;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCGSSSSISYMWYQKPGKAPKLLIYTTSNLSGVAPR 60
DB 1 DIQMTQSPSTLSASVGRVITTCGSSSSISYMWYQKPGKAPKLLIYDFPKLASGVPSR 60
QY 61 FSGSGSGTEFLLTISLQPDPAFYTCQSGSYFPTFGGKVKIKRTVAAPSVFIFPPS 120
DB 61 FSGSGSGTEFLLTISLQPDPAFYTCQSGSYFPTFGGKVKIKRTVAAPSVFIFPPS 120
QY 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
DB 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
QY 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
DB 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 13
US-09-996-288-241
Sequence 241, Application US/09996288
Patent No. 6818216
GENERAL INFORMATION:
APPLICANT: Young, James
APPLICANT: Scott, Koenig
APPLICANT: Leslie, Johnson
TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
TITLE OF INVENTION: and Treatment
FILE REFERENCE: 10271-047-999
CURRENT APPLICATION NUMBER: US/09/996,288
CURRENT FILING DATE: 2001-11-28
NUMBER OF SEQ ID NOS: 259
SOFTWARE: PatentIn version 3.1
SEQ ID NO 241
LENGTH: 213
TYPE: PRT
ORGANISM: Homo sapiens
US-09-996-288-241

Query Match
Best Local Similarity 94.4%; Score 1043; DB 2; Length 213;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCGSSSSISYMWYQKPGKAPKLLIYTTSNLSGVAPR 60
DB 1 DIQMTQSPSTLSASVGRVITTCGSSSSISYMWYQKPGKAPKLLIYDFPKLASGVPSR 60
QY 61 FSGSGSGTEFLLTISLQPDPAFYTCQSGSYFPTFGGKVKIKRTVAAPSVFIFPPS 120
DB 61 FSGSGSGTEFLLTISLQPDPAFYTCQSGSYFPTFGGKVKIKRTVAAPSVFIFPPS 120
QY 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
DB 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
QY 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
DB 121 DEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQSGNSQESVTEQDSKOSTYISLSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 14

```

US-09-996-288-247
; Sequence 247, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 247
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-247

Query Match 94.5%; Score 1043; DB 2; Length 213;

Best Local Similarity 94.4%; Pred. No. 1,8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGDRTTITCSASSISYMHYQKPKAPKLLIYTTSNLASGVAPR 60
Db 1 DIOMTQSPSTLSASVGDRTTITCSASSISYMHYQKPKAPKLLIYDTFRLASGVPSR 60
Qy 61 FSGSGSGTEFTLTITSLQDDPATYTCQKSTYPLTFGQTKVEYKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTITSLQDDPATYTCQKSTYPLTFGQTKVEIKRTVAAPSVFIFPPS 120
Qy 121 DEOLKSGTASVVCCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Qy 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

RESULT 15
US-09-996-265-233

; Sequence 233, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:

; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 233
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-233

Query Match 94.5%; Score 1043; DB 2; Length 213;

Best Local Similarity 94.4%; Pred. No. 1,8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGDRTTITCSASSISYMHYQKPKAPKLLIYTTSNLASGVAPR 60
Db 1 DIOMTQSPSTLSASVGDRTTITCSASSISYMHYQKPKAPKLLIYDTFRLASGVPSR 60
Qy 61 FSGSGSGTEFTLTITSLQDDPATYTCQKSTYPLTFGQTKVEYKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTITSLQDDPATYTCQKSTYPLTFGQTKVEIKRTVAAPSVFIFPPS 120

Qy 121 DEOLKSGTASVVCCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Qy 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

Search completed: May 15, 2006, 11:43:57
Job time : 22.6555 secs

GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:57:43 ; Search time 71.1077 Seconds

(without alignments)
1251.589 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104
Sequence: 1 DIQMTQSPSTLSASVGRVT.....EVTHQGLSSPYTKSPNRRGEC 213

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBSCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10_PUBSCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBSCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1104	100.0	213	5	US-10-822-300-118 Sequence 118, App
2	1104	100.0	213	5	US-10-947-432-1 Sequence 1, Appli
3	1057	95.7	235	3	US-09-910-059-52 Sequence 52, Appli
4	1057	95.7	235	4	US-10-608-710-2 Sequence 2, Appli
5	1051	95.2	235	3	US-09-910-059-99 Sequence 99, Appli
6	1049	95.0	213	3	US-09-996-288-231 Sequence 231, App
7	1049	95.0	213	3	US-09-996-265-231 Sequence 231, App
8	1049	95.0	213	5	US-10-900-230-231 Sequence 231, App
9	1049	95.0	213	5	US-10-962-285-231 Sequence 231, App
10	1049	95.0	213	5	US-10-403-180-231 Sequence 231, App
11	1044	94.6	213	3	US-09-996-288-235 Sequence 255, App
12	1044	94.6	213	3	US-09-996-265-255 Sequence 255, App
13	1044	94.6	213	5	US-10-900-230-255 Sequence 255, App
14	1044	94.6	213	5	US-10-962-285-255 Sequence 255, App
15	1044	94.6	213	5	US-10-403-180-255 Sequence 255, App
16	1043.5	94.5	213	5	US-10-632-815-6 Sequence 6, Appli
17	1043	94.5	213	3	US-09-996-288-233 Sequence 233, App
18	1043	94.5	213	3	US-09-996-288-239 Sequence 239, App
19	1043	94.5	213	3	US-09-996-288-241 Sequence 241, App
20	1043	94.5	213	3	US-09-996-288-247 Sequence 247, App
21	1043	94.5	213	3	US-09-996-265-233 Sequence 233, App
22	1043	94.5	213	3	US-09-996-265-239 Sequence 239, App
23	1043	94.5	213	3	US-09-996-265-241 Sequence 241, App
24	1043	94.5	213	3	US-09-996-265-247 Sequence 247, App
25	1043	94.5	213	5	US-10-900-230-233 Sequence 233, App
26	1043	94.5	213	5	US-10-900-230-239 Sequence 239, App
27	1043	94.5	213	5	US-10-900-230-241 Sequence 241, App

28	1043	94.5	213	5	US-10-900-230-247 Sequence 247, App
29	1043	94.5	213	5	US-10-962-285-233 Sequence 233, App
30	1043	94.5	213	5	US-10-962-285-239 Sequence 239, App
31	1043	94.5	213	5	US-10-962-285-241 Sequence 241, App
32	1043	94.5	213	5	US-10-962-285-247 Sequence 247, App
33	1043	94.5	213	5	US-10-403-180-233 Sequence 233, App
34	1043	94.5	213	5	US-10-403-180-239 Sequence 239, App
35	1043	94.5	213	5	US-10-403-180-241 Sequence 241, App
36	1043	94.5	213	5	US-10-403-180-247 Sequence 247, App
37	1042	94.4	213	3	US-09-996-288-211 Sequence 211, App
38	1042	94.4	213	3	US-09-996-265-211 Sequence 211, App
39	1042	94.4	213	5	US-10-900-230-211 Sequence 211, App
40	1042	94.4	213	5	US-10-962-285-211 Sequence 211, App
41	1042	94.4	213	5	US-10-403-180-211 Sequence 211, App
42	1041	94.3	235	3	US-09-910-059-97 Sequence 97, Appli
43	1039	94.1	213	3	US-09-996-288-237 Sequence 237, App
44	1039	94.1	213	3	US-09-996-288-243 Sequence 243, App
45	1039	94.1	213	3	US-09-996-265-237 Sequence 237, App

ALIGNMENTS

```
RESULT 1
US-10-822-300-118
; Sequence 118, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05682.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 118
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-118

Query Match      100.0%; Score 1104; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.3e-58;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLLIYTSNLSGVAR 60
DB 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLLIYTSNLSGVAR 60
QY 61 FSGSGSGTEFTLTISLDPDPFATYYCHQRSTYPLTFTGQKRVKRVAAAPSVIFPPS 120
DB 61 FSGSGSGTEFTLTISLDPDPFATYYCHQRSTYPLTFTGQKRVKRVAAAPSVIFPPS 120
QY 121 DEQKSGTASVVCCLNINFPREAKYQKVDNALQSGNSQSEVTEODSSTYSLSLTLL 180
DB 121 DEQKSGTASVVCCLNINFPREAKYQKVDNALQSGNSQSEVTEODSSTYSLSLTLL 180
QY 181 SKADYEKKYVACEVTHQGLSSPYTKSPNRRGEC 213
DB 181 SKADYEKKYVACEVTHQGLSSPYTKSPNRRGEC 213

RESULT 2
US-10-947-432-1
; Sequence 1, Application US/10947432
; Publication No. US20050089517A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR
; FILE REFERENCE: 05682.0207.NPUS02
```

```

; CURRENT APPLICATION NUMBER: US/10/947.432
; CURRENT FILING DATE: 2004-09-21
; PRIOR APPLICATION NUMBER: US 60/505,883
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: US 60/552,974
; PRIOR FILING DATE: 2004-03-12
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Humanized antibody
US-10-947-432-1
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Query Match          100.0%; Score 1104; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.3e-58;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 60
D 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 60
QY 61 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
D 61 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
QY 121 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
D 121 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
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RESULT 3
US-09-910-059-52
; Sequence 52, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910.059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-09-910-059-52
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Query Match          95.7%; Score 1057; DB 3; Length 235;
Best Local Similarity 93.9%; Pred. No. 9e-56;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
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QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 60
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D 23 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 82
QY 61 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
D 83 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 142
QY 121 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
D 143 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 202
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 203 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 235
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```

RESULT 4
US-10-608-710-2
; Sequence 2, Application US/10608710
; Publication No. US20040117863A1
; GENERAL INFORMATION:
; APPLICANT: CTC Biotherapeutics, Inc.
; APPLICANT: Edge, Michael D
; APPLICANT: Pollock, Daniel
; APPLICANT: Echelard, Yann
; APPLICANT: Meade, Harry M
; APPLICANT: Rybak, Susana M
; TITLE OF INVENTION: Transgenically Produced Fusion Proteins
; FILE REFERENCE: CTC-42D
; CURRENT APPLICATION NUMBER: US/10/608.710
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US 09/398,610
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-10-608-710-2
```

```

Query Match          95.7%; Score 1057; DB 4; Length 235;
Best Local Similarity 93.9%; Pred. No. 9e-56;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;

QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 60
D 23 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKGAPKLLIYTTSNLASGVPAR 82
QY 61 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 120
D 83 FSGSGSGTEFTLTSSIQPDPAFYCHQRSTYPLTFGQGTKEVKRTVAAPSVFIFPPS 142
QY 121 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
D 143 DEQLKSGTASVVCILNFFPREAKYQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 202
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 203 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 235
```

```

RESULT 5
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
US-09-910-059-99
```



```

; TITLE OF INVENTION: Their Therapeutic use in an Adept System
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910.059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: humanised light chain Rd sequence
US-09-910-059-99

Query Match          95.2%; Score 1051; DB 3; Length 235;
Best Local Similarity 93.4%; Pred. No. 2.1e-55;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMHYQOKPGKAPKLLITTSNLSGVAPR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 23 DIQMTQSPSTLSASVGRVTITCSASSSVTGMHWYQOKPGKAPKLMITSNLSGVAPSR 82
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 FSGSGSGTEFTLTISLPDPDPATYYCHORSTYPLTFGQGTKEVKAIVAAPSVFIPTPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 83 FSGSGSGTEFTLTISLPDPDPATYYCHORSTYPLTFGQGTKEVKAIVAAPSVFIPTPS 142
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 143 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 202
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 203 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 235
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 6
US-09-996-288-231
; Sequence 231, Application US/09996288
; Patent No. US2002017126A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-231

Query Match          95.0%; Score 1049; DB 3; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMHYQOKPGKAPKLLITTSNLSGVAPR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 DIQMTQSPSTLSASVGRVTITCSASSISYMHYQOKPGKAPKLLITTSNLSGVAPSR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 FSGSGSGTEFTLTISLPDPDPATYYCHORSTYPLTFGQGTKEVKAIVAAPSVFIPTPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 8
US-10-900-230-231
; Sequence 231, Application US/10900230
; Publication No. US2005002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900,230
; CURRENT FILING DATE: 2004-07-26
; PRIOR APPLICATION NUMBER: US/09/996,265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
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DB 61 FSGSGSGTEFTLTISLPDPDPATYYCFQSSGVPFTFGGCTKVEIKRTVAAPSVFIPTPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 7
US-09-996-265-231
; Sequence 231, Application US/09996265
; Publication No. US20030091584A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-231

Query Match          95.0%; Score 1049; DB 3; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMHYQOKPGKAPKLLITTSNLSGVAPR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 DIQMTQSPSTLSASVGRVTITCSASSSVGMHWYQOKPGKAPKLLITTSNLSGVAPSR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 FSGSGSGTEFTLTISLPDPDPATYYCHORSTYPLTFGQGTKEVKAIVAAPSVFIPTPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 61 FSGSGSGTEFTLTISLPDPDPATYYCFQSGGYFTFGGCTKVEIKRTVAAPSVFIPTPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQLKSGTASVVCILNFPYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSSTLT 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHKVYACEVTHQGLSSPVTKSPNRGEC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 8
US-10-900-230-231
; Sequence 231, Application US/10900230
; Publication No. US2005002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900,230
; CURRENT FILING DATE: 2004-07-26
; PRIOR APPLICATION NUMBER: US/09/996,265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-900-230-231

Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120

QY 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180

QY 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

RESULT 9
US-10-962-285-231
; Sequence 231, Application US/10962285
; Publication No. US20050147616A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/10/962,285
; CURRENT FILING DATE: 2004-10-08
; PRIOR APPLICATION NUMBER: US/09/996,288
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-962-285-231

Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120

QY 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180

QY 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

RESULT 10
US-10-403-180-231
; Sequence 231, Application US/10403180
; Publication No. US20050196749A1
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; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-064-999
; CURRENT APPLICATION NUMBER: US/10/403,180
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/368,729
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-403-180-231

Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120

QY 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180

QY 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

RESULT 11
US-09-996-288-255
; Sequence 255, Application US/09996288
; Patent No. US20020177126A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-255

Query Match          94.6%; Score 1044; DB 3; Length 213;
Best Local Similarity 94.4%; Pred. No. 4.9e-55;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
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Qy 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Qy 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 12
US-09-996-265-255
; Sequence 255, Application US/09996265
; Publication No. US20030091584A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-255

Query Match 94.6%; Score 1044; DB 3; Length 213;
Best Local Similarity 94.4%; Pred. No. 4.9e-55;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;
Qy 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYTTSNL ASGVAPR 60
Db 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYDTSKLASGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Db 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Qy 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Qy 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 13
US-10-900-230-255
; Sequence 255, Application US/10900230
; Publication No. US20050002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900,230
; CURRENT FILING DATE: 2004-07-26
; PRIOR APPLICATION NUMBER: US/09/996,265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-900-230-255

Query Match 94.6%; Score 1044; DB 5; Length 213;
Best Local Similarity 94.4%; Pred. No. 4.9e-55;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYTTSNL ASGVAPR 60
Db 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYDTSKLASGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Db 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Qy 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Qy 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 14
US-10-962-285-255
; Sequence 255, Application US/10962285
; Publication No. US20050147616A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/10/962,285
; CURRENT FILING DATE: 2004-10-08
; PRIOR APPLICATION NUMBER: US/09/996,288
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-962-285-255

Query Match 94.6%; Score 1044; DB 5; Length 213;
Best Local Similarity 94.4%; Pred. No. 4.9e-55;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYTTSNL ASGVAPR 60
Db 1 DIOMTQSPSTLSASVGDVVTITCSASSISYMHYQOKRGA PKLLIYDTSKLASGVPSR 60
Qy 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Db 61 FSGSGSGTEFTLTITSSLOPDPFATYYCHQRSTYPLTFQCGTKVEYKRTVAAPSVFI PPSS 120
Qy 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Db 121 DEOLKSGTASVVCCLNNFYPREAKYQWKVDNALSGNSQESVTEBDSKOSTYSLSSTLT 180
Qy 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213
Db 181 SKADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 15
US-10-403-180-255
; Sequence 255, Application US/10403180
; Publication No. US20050196749A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
US-10-403-180-255

APPLICANT: Leelle, Johnson
TITLE OR INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
FILE REFERENCE: 10271-064-999
CURRENT APPLICATION NUMBER: US/10/403.180
CURRENT FILING DATE: 2003-03-31
PRIOR APPLICATION NUMBER: 60/368,729
PRIOR FILING DATE: 2002-03-29
NUMBER OF SEQ ID NOS: 259
SOFTWARE: PatentIn version 3.1
SEQ ID NO 255
LENGTH: 213
TYPE: PRT
ORGANISM: Homo sapiens
US-10-403-180-255

Query Match 94.6%; Score 1044; DB 5; Length 213;

Best Local Similarity 94.4%; Pred. No. 4.9e-55;

Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY	1	DIQWTQSPSTLSASVGDRTVITTCASASSISIMHWYQQKPKAKPKLLIYTTSNLASGVPAR	60
			:
DB	1	DIQWTQSPSTLSASVGDRTVITTCASASSISIMHWYQQKPKAKPKLLIYDTSKLASGVPSR	60
			:
QY	61	FSGSGSGTEFTLTITSSLOPDDFATYYCHQRTYPLTFGQGTKEVEKRTVAAPSVFIFPPS	120
			:
DB	61	FSGSGSGTEFTLTITSSLOPDDFATYYCHQRTYPLTFGQGTKEVEKRTVAAPSVFIFPPS	120
			:
QY	121	DEQKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT	180
			:
DB	121	DEQKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT	180
			:
QY	181	SKADYEKHKYACCEVTHQGLSSPYTKSPNRGEC	213
			:
DB	181	SKADYEKHKYACCEVTHQGLSSPYTKSPNRGEC	213
			:

Search completed: May 15, 2006, 12:02:43

Job time : 71.1077 sec

GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:59:14 ; Search time 12.2822 Seconds
(without alignments)
814.192 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104
Sequence: 1 DIQMTQSPSTLSASVGRVT.....EVTHQGLSSPYTKSPNNGEC 213

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 250354 seqs, 46948837 residues

Total number of hits satisfying chosen parameters: 250354

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA New:*
1: /SIDS5/ptodata/1/pubpaa/US08_NEW_PUB.pep1.*
2: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
3: /SIDS5/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
4: /SIDS5/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
5: /SIDS5/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
6: /SIDS5/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
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9: /SIDS5/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
10: /SIDS5/ptodata/1/pubpaa/US11_NEW_PUB.pep1.*
11: /SIDS5/ptodata/1/pubpaa/US11_NEW_PUB.pep1.*
12: /SIDS5/ptodata/1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1104	100.0	213	11	US-11-102-621-118 Sequence 118, App
2	1057	95.7	235	11	US-11-166-994-2 Sequence 2, App1
3	1026	92.9	213	10	US-11-254-182-63 Sequence 63, App1
4	1026	92.9	213	11	US-11-120-338-13 Sequence 13, App1
5	1026	92.9	213	11	US-11-107-028-31 Sequence 31, App1
6	1026	92.9	213	11	US-11-106-820-24 Sequence 24, App1
7	1026	92.9	213	11	US-11-143-077-13 Sequence 13, App1
8	1026	92.9	213	11	US-11-143-386-13 Sequence 13, App1
9	1026	92.9	213	11	US-11-187-364-13 Sequence 13, App1
10	1026	92.9	213	11	US-11-208-422-26 Sequence 26, App1
11	1026	92.9	232	11	US-11-106-820-23 Sequence 23, App1
12	1026	92.9	232	11	US-11-190-364-21 Sequence 21, App1
13	1026	92.9	232	11	US-11-147-780-21 Sequence 21, App1
14	1020	92.4	213	10	US-11-254-182-64 Sequence 64, App1
15	1020	92.4	213	11	US-11-120-338-16 Sequence 16, App1
16	1020	92.4	213	11	US-11-102-621-135 Sequence 135, App
17	1020	92.4	213	11	US-11-107-028-44 Sequence 44, App1
18	1020	92.4	213	11	US-11-106-820-29 Sequence 29, App1
19	1020	92.4	213	11	US-11-106-820-44 Sequence 44, App1
20	1020	92.4	213	11	US-11-143-077-16 Sequence 16, App1
21	1020	92.4	213	11	US-11-143-386-16 Sequence 16, App1

22	1020	92.4	213	11	US-11-187-364-28	Sequence 28, App1
23	1020	92.4	213	11	US-11-208-422-39	Sequence 39, App1
24	1009.5	91.4	267	11	US-11-208-422-15	Sequence 15, App1
25	1009.5	91.1	364	11	US-11-000-463-899	Sequence 899, App
26	1002.5	90.8	241	11	US-11-106-820-15	Sequence 15, App1
27	1002.5	90.8	241	11	US-11-190-364-14	Sequence 14, App1
28	1002.5	90.8	241	11	US-11-147-780-14	Sequence 14, App1
29	1001.5	90.7	214	11	US-11-102-621-129	Sequence 129, App
30	1000.5	90.6	214	10	US-11-219-121-27	Sequence 27, App
31	1000.5	90.6	363	11	US-11-000-463-335	Sequence 335, App
32	1000	90.6	219	11	US-11-259-232-72	Sequence 72, App1
33	1000	90.6	242	11	US-11-259-232-51	Sequence 51, App1
34	1000	90.6	242	11	US-11-259-232-56	Sequence 56, App1
35	1000	90.6	242	11	US-11-259-232-62	Sequence 62, App1
36	997.5	90.4	214	11	US-11-025-712-11	Sequence 11, App1
37	996.5	90.3	214	10	US-11-183-218-55	Sequence 55, App1
38	996.5	90.3	214	10	US-11-219-121-29	Sequence 29, App1
39	996.5	90.3	214	11	US-11-183-205-55	Sequence 55, App1
40	994.5	90.1	234	8	US-10-546-594-132	Sequence 132, App
41	993.5	90.0	214	11	US-11-128-900-71	Sequence 71, App1
42	993.5	90.0	218	10	US-11-254-182-37	Sequence 37, App1
43	993.5	90.0	218	11	US-11-084-554-11	Sequence 11, App1
44	993.5	90.0	218	11	US-11-136-250-11	Sequence 11, App1
45	993.5	90.0	218	11	US-11-208-422-16	Sequence 16, App1

ALIGNMENTS

```
RESULT 1
US-11-102-621-118
Sequence 118, Application US/11102621
Publication No. US20050276799A1
GENERAL INFORMATION:
APPLICANT: Protein Design Labs, Inc.
APPLICANT: Hinton, Paul R.
APPLICANT: Tsurushita, Naoya
APPLICANT: Tso, J. Yun
APPLICANT: Vaquer, Maximiliano
TITLE OF INVENTION: ALTERATION OF PERN BINDING AFFINITIES OR SERUM HALF-LIVES OF
FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
FILE REFERENCE: 05882.0039.00PC03
CURRENT FILING DATE: 2005-04-08
CURRENT APPLICATION NUMBER: US/11/102.621
PRIOR APPLICATION NUMBER: US 10/822.300
PRIOR FILING DATE: 2004-04-09
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.2
SEQ ID NO 118
LENGTH: 213
TYPE: PRT
ORGANISM: Homo sapiens
US-11-102-621-118
Query Match 100.0%; Score 1104; DB 11; Length 213;
Best Local Similarity 100.0%; Pred. No. 1e-66;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLIIYTTNLSGVAR 60
DB 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLIIYTTNLSGVAR 60
QY 1 FSSGSGTREFTLTSSLOPDPFATYYCHQRTYPLTEQGVKRVAAPSVIFPPS 120
DB 1 FSSGSGTREFTLTSSLOPDPFATYYCHQRTYPLTEQGVKRVAAPSVIFPPS 120
QY 121 DEQLKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTRQDSKSTYSLSITLL 180
DB 121 DEQLKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTRQDSKSTYSLSITLL 180
QY 121 DEQLKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTRQDSKSTYSLSITLL 180
DB 121 DEQLKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTRQDSKSTYSLSITLL 180
QY 181 SKADYEKKKYVACEVTHQGLSSPYTKSPNNGEC 213
DB 181 SKADYEKKKYVACEVTHQGLSSPYTKSPNNGEC 213
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RESULT 2
US-11-166-994-2
; Sequence 2, Application US/11166994
; Publication No. US20060026695A1
; GENERAL INFORMATION:
; APPLICANT: GTC Biotherapeutics, Inc.
; APPLICANT: Edge, Michael D
; APPLICANT: Pollock, Daniel
; APPLICANT: Echelard, Yann
; APPLICANT: Meade, Harry M
; APPLICANT: Rybak, Susanna M
; TITLE OF INVENTION: Transgenically Produced Fusion Proteins
; FILE REFERENCE: GTC-42D
; CURRENT APPLICATION NUMBER: US/11/166,994
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: US/10/608,710
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US 09/398,610
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRF
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-11-166-994-2

Query Match 95.7%; Score 1057; DB 11; Length 235;
Best Local Similarity 93.9%; Pred. No. 1.5e-63;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
DB 23 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 82
QY 61 FSGSGSGTEFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
DB 83 FSGSGSGTDYFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 202
QY 181 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 213
DB 203 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 235

RESULT 3
US-11-254-182-63
; Sequence 63, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDRA, JAMES
; APPLICANT: GMEB, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 63
; LENGTH: 213
; TYPE: PRF
; ORGANISM: Artificial sequence
; FEATURE:

; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-63

Query Match 92.9%; Score 1026; DB 10; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
QY 61 FSGSGSGTEFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSGTDYFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 213

RESULT 4
US-11-120-338-13
; Sequence 13, Application US/11120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREWAL, IOBAL S.
; APPLICANT: MALICK, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 13
; LENGTH: 213
; TYPE: PRF
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-120-338-13

Query Match 92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
QY 61 FSGSGSGTEFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSGTDYFTLTITSLQPDPAFYTCCHQSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYEKHKYVACEVTHQGLSSPVTKSFNRGEC 213

RESULT 5
US-11-107-028-31
; Sequence 31, Application US/11107028
; Publication No. US20050276803A1
; GENERAL INFORMATION:

APPLICANT: CHAN, ANDREW C.
APPLICANT: GONG, QIAN
APPLICANT: MARTIN, PLAVIUS
TITLE OF INVENTION: Method for Augmenting B Cell Depletion
FILE REFERENCE: P2112R1
CURRENT APPLICATION NUMBER: US/11/107,028
CURRENT FILING DATE: 2005-04-15
PRIOR APPLICATION NUMBER: US 60/563,263
PRIOR FILING DATE: 2004-04-16
NUMBER OF SEQ ID NOS: 52
SEQ ID NO 31
LENGTH: 213
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: sequence is synthesized
US-11-107-028-31

Query Match 92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
DB 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
QY 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
QY 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213

RESULT 6
US-11-106-820-24
Sequence 24, Application US/11106820
Publication No. US2006002930A1
GENERAL INFORMATION:
APPLICANT: BRUNETTA, PAUL G.
APPLICANT: SEMELL, KATHRYN L.
TITLE OF INVENTION: Treatment of Disorders
FILE REFERENCE: P2102R1
CURRENT APPLICATION NUMBER: US/11/106,820
CURRENT FILING DATE: 2005-04-15
PRIOR APPLICATION NUMBER: US 60/563,227
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 60/565,098
PRIOR FILING DATE: 2004-04-22
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 24
LENGTH: 213
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: sequence is synthesized
US-11-106-820-24

Query Match 92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
DB 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
QY 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120

DB 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
QY 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213

RESULT 7
US-11-143-077-13
Sequence 13, Application US/11143077
Publication No. US20060024295A1
GENERAL INFORMATION:
APPLICANT: Brunetta, Paul G.
TITLE OF INVENTION: METHOD FOR TREATING LUPUS
FILE REFERENCE: P2133R1
CURRENT APPLICATION NUMBER: US/11/143,077
CURRENT FILING DATE: 2005-06-02
PRIOR APPLICATION NUMBER: US 60/577,235
PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/617,997
PRIOR FILING DATE: 2004-10-11
NUMBER OF SEQ ID NOS: 24
SEQ ID NO 13
LENGTH: 213
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized
US-11-143-077-13

Query Match 92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
DB 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
QY 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
QY 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213
DB 181 SKADYERKHYACCVTHQGLSSPYTKSFNRGEC 213

RESULT 8
US-11-143-386-13
Sequence 13, Application US/11143386
Publication No. US20060051345A1
GENERAL INFORMATION:
APPLICANT: PROHNA, PAUL A.
TITLE OF INVENTION: METHOD FOR TREATING MULTIPLE SCLEROSIS
FILE REFERENCE: P2134R1
CURRENT APPLICATION NUMBER: US/11/143,386
CURRENT FILING DATE: 2005-06-02
PRIOR APPLICATION NUMBER: US 60/576,993
PRIOR FILING DATE: 2004-06-04
NUMBER OF SEQ ID NOS: 25
SEQ ID NO 13
LENGTH: 213
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:

QY 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
DB 1 DIQWTPSTLSASVGRVTTTCSSASSISYMWYQKPKAPLLIYTTSNLASGVAPR 60
QY 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120
DB 61 FSGSGSTGTEFTLTISLQPDPAFYCHQRTYPLTGQGTKEVKTVAAPSVFIIPPS 120

Db 80 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 139
 Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 180
 Db 140 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 199
 Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
 Db 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 12 US-11-190-364-21

; Sequence 21, Application US/11190364
 ; Publication No. US20060024300A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Adams ET AL.
 ; TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
 ; FILE REFERENCE: P1990R3C1P1
 ; CURRENT APPLICATION NUMBER: US/11/190,364
 ; CURRENT FILING DATE: 2005-07-26
 ; PRIOR APPLICATION NUMBER: US 60/434,115
 ; PRIOR FILING DATE: 2002-12-16
 ; PRIOR APPLICATION NUMBER: US 60/526,163
 ; PRIOR FILING DATE: 2003-12-01
 ; PRIOR APPLICATION NUMBER: PCT/US03/40426
 ; PRIOR FILING DATE: 2003-12-16
 ; PRIOR APPLICATION NUMBER: US 11/147,780
 ; PRIOR FILING DATE: 2005-06-07
 ; NUMBER OF SEQ ID NOS: 38
 ; SEQ ID NO 21
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence is synthesized
 US-11-190-364-21

Query Match 92.9%; Score 1026; DB 11; Length 232;
 Best Local Similarity 93.0%; Pred. No. 1.7e-61;
 Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCASSSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
 Db 20 DIOMTQSPSSLSASVGRVTTTCRASSSVSYMHYQOKPGKAPKLLIYAPSNLASGVAPR 79
 Qy 61 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 120
 Db 80 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 139
 Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 180
 Db 140 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 199
 Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
 Db 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 13 US-11-147-780-21

; Sequence 21, Application US/11147780
 ; Publication No. US20060034835A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Adams ET AL.
 ; TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
 ; FILE REFERENCE: P1990R3C1
 ; CURRENT APPLICATION NUMBER: US/11/147,780
 ; CURRENT FILING DATE: 2005-06-07
 ; PRIOR APPLICATION NUMBER: US 60/434,115
 ; PRIOR FILING DATE: 2002-12-16
 ; PRIOR APPLICATION NUMBER: US 60/526,163
 ; PRIOR FILING DATE: 2003-12-01

; PRIOR APPLICATION NUMBER: PCT/US03/40426
 ; PRIOR FILING DATE: 2003-12-16
 ; NUMBER OF SEQ ID NOS: 38
 ; SEQ ID NO 21
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence is synthesized
 US-11-147-780-21

Query Match 92.9%; Score 1026; DB 11; Length 232;
 Best Local Similarity 93.0%; Pred. No. 1.7e-61;
 Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCASSSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
 Db 20 DIOMTQSPSSLSASVGRVTTTCRASSSVSYMHYQOKPGKAPKLLIYAPSNLASGVAPR 79
 Qy 61 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 120
 Db 80 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 139
 Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 180
 Db 140 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 199
 Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
 Db 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 14 US-11-254-182-64

; Sequence 64, Application US/11254182
 ; Publication No. US20060088523A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ANDYA, JAMES
 ; APPLICANT: GWEE, SHIANG C.
 ; APPLICANT: LIU, JTN
 ; APPLICANT: SHEN, YE
 ; TITLE OF INVENTION: ANTIBODY FORMULATIONS
 ; FILE REFERENCE: P2104R1
 ; CURRENT APPLICATION NUMBER: US/11/254,182
 ; CURRENT FILING DATE: 2005-10-19
 ; PRIOR APPLICATION NUMBER: US 60/620,413
 ; PRIOR FILING DATE: 2004-10-20
 ; NUMBER OF SEQ ID NOS: 74
 ; SEQ ID NO 64
 ; LENGTH: 213
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence is synthesized.
 US-11-254-182-64

Query Match 92.4%; Score 1020; DB 10; Length 213;
 Best Local Similarity 92.0%; Pred. No. 3.9e-61;
 Matches 196; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCASSSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
 Db 1 DIOMTQSPSSLSASVGRVTTTCRASSSVSYMHYQOKPGKAPKLLIYAPSNLASGVAPR 60
 Qy 61 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 120
 Db 61 FSGSGSGTDFLTITSSLOPDDPATYTCQWMSFNPTFGQGTKEVKRTVAAPSVFIIPPS 120
 Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 180
 Db 121 DEOLKSGTASVYVCLNNFYPREAKVQWVDNALQSGNSQESVTEODSKDSTYSLSTLTL 180
 Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213

Db 181 SKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 213

```

RESULT 15
US-11-120-338-16
; Sequence 16, Application US/11120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREMATA, IOBAL S.
; APPLICANT: MATLOCK, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/569,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 16
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-120-338-16

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Query Match	92.4%	Score 1020	DB 11	Length 213
Best Local Similarity	92.0%	Pred. No. 3.9e-61		
Matches 196; Conservative	8	Mismatches 9	Indels 0	Gaps 0

QY 1 DIQMOSPTLSASGDRVITICSSASS1SYMMWQOKGKAPKLLIYTSNLSAGVPR 60
DB 1 DIQMOSPTLSASGDRVITICRASSSVSYLWVQOKGKAPKLLIYAPSNLSAGVPR 60
QY 61 FSGSGSGTEFTLLISLQPDDEPATYCYCHORSTPLTFGQGTKEVKTAAAPSVFFPPS 120
DB 61 FSGSGSGTDFTLTISLQPEDPATYCYCQGMARPPFPFGGTKEIKRTVAAPSVFFPPS 120
QY 121 DEQLKSGTASVVCLLNFPYPREAKQWKVDNALQSGNSQESVTEQDSKOSTYLSSTLL 180
DB 121 DEQLKSGTASVVCLLNFPYPREAKQWKVDNALQSGNSQESVTEQDSKOSTYLSSTLL 180
QY 181 SKADYEKKHVACEVTHQGLSSPYTSSFRGEC 213
DB 181 SKADYEKKHVACEVTHQGLSSPYTSSFRGEC 213

Search completed: May 15, 2006, 12:03:27
Job time : 13.2822 secs

GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 15, 2006, 11:42:33 ; Search time 45.3445 Seconds
(without alignments)
813.183 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVQSGAEVKKRQSSVKV.....LHEALHNYTKSLSPK 446

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/1aa/5_COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/6_COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/H_COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/RE_COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2239.5	94.0	449	1	US-08-458-516-13 Sequence 13, Appl
2	2202.5	92.5	472	2	US-09-301-593-43 Sequence 43, Appl
3	2190.5	92.0	470	2	US-09-238-741-4 Sequence 4, Appl
4	2178	91.4	452	2	US-09-027-449-71 Sequence 71, Appl
5	2178	91.4	452	2	US-09-026-985-71 Sequence 71, Appl
6	2178	91.4	452	2	US-09-121-952A-71 Sequence 71, Appl
7	2178	91.4	452	2	US-09-234-340A-71 Sequence 71, Appl
8	2178	91.4	452	2	US-09-355-014-71 Sequence 71, Appl
9	2171.5	91.2	476	1	US-08-378-939-10 Sequence 10, Appl
10	2165	90.9	489	2	US-10-104-047-3329 Sequence 3329, Ap
11	2163	90.4	454	1	US-07-934-373C-22 Sequence 22, Appl
12	2153	90.4	454	2	US-08-437-642B-22 Sequence 22, Appl
13	2153	90.4	454	2	US-08-146-206C-22 Sequence 22, Appl
14	2153	90.4	454	2	US-09-705-686-22 Sequence 22, Appl
15	2153	90.4	454	2	US-09-705-392A-22 Sequence 22, Appl
16	2153	90.4	454	2	US-09-705-358-22 Sequence 22, Appl
17	2153	90.4	454	4	PCT-US93-07832-22 Sequence 22, Appl
18	2150	90.3	453	2	US-09-301-593-18 Sequence 18, Appl
19	2144.5	89.9	466	2	US-09-698-705-11 Sequence 11, Appl
20	2141.5	89.9	468	2	US-09-485-737B-67 Sequence 67, Appl
21	2141.5	89.9	468	2	US-10-071-485-67 Sequence 67, Appl
22	2141.5	89.9	711	2	US-09-485-737B-90 Sequence 90, Appl
23	2141.5	89.9	711	2	US-10-071-485-90 Sequence 90, Appl
24	2137.5	89.7	472	2	US-09-301-593-30 Sequence 30, Appl
25	2133	89.5	467	2	US-09-049-672A-8 Sequence 8, Appl
26	2123	89.1	449	2	US-09-679-397-2 Sequence 2, Appl
27	2123	89.1	449	2	US-09-680-148-2 Sequence 2, Appl

28	2123	89.1	449	2	US-09-304-465A-2	Sequence 2, Appl
29	2123	89.1	449	2	US-10-356-974-2	Sequence 2, Appl
30	2109.5	88.6	451	2	US-09-247-352-3	Sequence 3, Appl
31	2109.5	88.6	451	2	US-09-466-635-3	Sequence 3, Appl
32	2103.5	88.3	478	2	US-08-487-550-8	Sequence 8, Appl
33	2103.5	88.3	478	2	US-09-526-098-8	Sequence 8, Appl
34	2103.5	88.3	478	2	US-09-383-916-8	Sequence 8, Appl
35	2103.5	88.3	478	2	US-09-758-173-8	Sequence 8, Appl
36	2103.5	88.3	478	2	US-09-576-424-8	Sequence 8, Appl
37	2094.5	87.9	451	1	US-08-887-352B-18	Sequence 18, Appl
38	2094.5	87.9	451	2	US-09-109-207C-18	Sequence 18, Appl
39	2094.5	87.9	451	2	US-09-282-505-2	Sequence 2, Appl
40	2094.5	87.9	451	2	US-09-054-255-2	Sequence 2, Appl
41	2094.5	87.9	451	2	US-09-296-005-18	Sequence 18, Appl
42	2094.5	87.9	451	2	US-09-282-846-2	Sequence 2, Appl
43	2094.5	87.9	451	2	US-09-680-145-2	Sequence 2, Appl
44	2094.5	87.9	451	2	US-09-920-171-18	Sequence 18, Appl
45	2094.5	87.9	451	2	US-09-716-028-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIb/IIIa
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESS: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2420
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13
Query Match 94.0%; Score 2239.5; DB 1; Length 449;
Best Local Similarity 94.0%; Pred. No. 6.1e-15;
Matches 422; Conservative 16; Indels 3; Gaps 1;
QY 1 QVQLVQSGAEVKKRQSSVKVCKASGYTFSTYRHWVRQAPGQGLEWIGYINPSTGYTEY 60

Db 1 QVQLVSGAEVKKGSSVKASCAAGFAFTNYLIEMWGAPGGLEWIGVITPSSGGTNY 60
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR---GGVFDWGGGTLVTVSSA 117
Db 61 NEKRGKATITADSTNTAYMELSLRSEDTAVYFCARDGNYGFAWGGGTLVTVSSA 120
Qy 118 STKPSVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSG 177
Db 121 STKPSVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSG 180
Qy 178 LYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPALLGCP 237
Db 181 LYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPALLGCP 240
Qy 238 SVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPREQYNS 297
Db 241 SVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPREQYNS 300
Qy 298 TYRIVSVTLVHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDEL 357
Db 301 TYRIVSVTLVHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDEL 360
Qy 358 TKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRMQ 417
Db 361 TKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRMQ 420
Qy 418 QGNVPSGVMEALHNHYTQKSLSLSPGK 446
Db 421 QGNVPSGVMEALHNHYTQKSLSLSPGK 449

RESULT 2

US-09-301-593-43
; Sequence 43, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John B.
; APPLICANT: Garin-Chees, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Saldanha, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: PAP-specific Antibody with Improved Producibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301.593A
; EARLIER FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 43
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-43

Query Match 92.5%; Score 2202.5; DB 2; Length 472;
Best Local Similarity 91.6%; Pred. No. 4.7e-162;
Matches 416; Conservative 10; Mismatches 19; Indels 9; Gaps 2;

Qy 1 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVITPSTGYEY 60
Db 20 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVITPSTGYEY 79
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGVFDWGGGTLV 112
Db 80 NQKRGKATITADSTNTAYMELSLRSEDTAVYYCARRAIAYGDESHANDWGGGTLV 139
Qy 113 TVSSASTKGPSEVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTPAPV 172

Db 140 TVSS-STKPSVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTPAPV 198
Qy 173 LQSSGLYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPR 232
Db 199 LQSSGLYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPR 258
Qy 233 LGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPRE 292
Db 259 LGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPRE 318
Qy 293 EGYNSTRVSVTLVHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP 352
Db 319 EGYNSTRVSVTLVHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP 378
Qy 353 SRDELTKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
Db 379 SRDELTKQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 438
Qy 413 KSRWQGNVPSGVMEALHNHYTQKSLSLSPGK 446
Db 439 KSRWQGNVPSGVMEALHNHYTQKSLSLSPGK 472

RESULT 3

US-09-238-741-4
; Sequence 4, Application US/09238741
; Patent No. 6897044
; GENERAL INFORMATION:
; APPLICANT: BRASLAWSKY, GARY R.
; APPLICANT: HANNA, NABIL
; APPLICANT: HARIHARAN, KANDASAMY
; APPLICANT: LABAREE, MICHAEL J.
; APPLICANT: HUYNH, TRI B.
; TITLE OF INVENTION: PRODUCTION OF TETRAVALENT ANTIBODIES
; FILE REFERENCE: 23522.0584
; CURRENT APPLICATION NUMBER: US/09/238.741
; CURRENT FILING DATE: 1999-01-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: "Dimeric" Anti-CD20 Heavy Chain (Version 1)
US-09-238-741-4

Query Match 92.0%; Score 2190.5; DB 2; Length 470;
Best Local Similarity 91.1%; Pred. No. 4e-161;
Matches 411; Conservative 14; Mismatches 21; Indels 5; Gaps 1;

Qy 1 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVITPSTGYEY 60
Db 20 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVITPSTGYEY 79
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGVFDWGGGTLVTVSS 115
Db 80 NQKRGKATITADKSSSTAYMQLSLTSEDAVYYCARSTYYGDMVFNNWAGGTVTVSS 139
Qy 116 SASTKGPSEVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTPAPV 175
Db 140 AASTKGPSEVPEPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTPAPV 199
Qy 176 SGLYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPALLG 235
Db 200 SGLYSLSVTVTVSSSLGTQTYICNVNHNKPSNTKVDKVPKSCDKHTHTCPCPAPALLG 259
Qy 236 GPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPREQY 295
Db 260 GPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFWMYVDGVEVHNAAKTRPREQY 319
Qy 296 NSTYRIVSVTLVHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRD 355

|||||
Db NSTYRVSVLTJVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRD 379
QY 320 ELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNKTTPVLDSDGSFFLYSKLTVDKSR 415
Db 356 ELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNKTTPVLDSDGSFFLYSKLTVDKSR 415
Db 380 ELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNKTTPVLDSDGSFFLYSKLTVDKSR 439
QY 416 MOGNVFPSCSVLHEALHNHYTOKSLSPGK 446
Db 440 MOGNVFPSCSVLHEALHNHYTOKSLSPGK 470

RESULT 4
US-09-027-449-71
; Sequence 71, Application US/09027449
; Patent No. 6023158
; GENERAL INFORMATION:
; APPLICANT: Gonzalez, Tania R.
; APPLICANT: Leong, Steven R.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/027,449
; FILING DATE: 20-Feb-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/074,330
; FILING DATE: 22-Jan-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/038,664
; FILING DATE: 21-Feb-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: P1085R3-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5530
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 452 amino acids
; TYPE: Amino acid
; TOPOLOGY: Linear
; US-09-027-449-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQLVQSGAEYVKRPGSSSVKSCASGYTFTSYRMHWVARQPGQLEWIGYINPSTGYEY 60
Db 1 EVQLVQSGGGLVQPGSGIRLSCAASGYFSFSHYMHMVARQPGKLEWVGYPDPSNGETTY 60
QY 61 NQPKDKATITADESTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTIVT 114
Db 61 NQPKDKATITADESTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTIVT 120
QY 115 SSASTKGSVPFLPPLASSKSTSGGTALGCLVVDYPPPEPTVSWNSGALTSGVHTPPAVLQ 174
Db 115 SSASTKGSVPFLPPLASSKSTSGGTALGCLVVDYPPPEPTVSWNSGALTSGVHTPPAVLQ 174

|||||
Db 121 SSASTKGSVPFLPPLASSKSTSGGTALGCLVVDYPPPEPTVSWNSGALTSGVHTPPAVLQ 180
QY 175 SSGLYSLSSVTVVSSSLGQTQYICNVNHRKSNTRKVDKVEPKSCDKHTPCPCPAPRL 234
Db 181 SSGLYSLSSVTVVSSSLGQTQYICNVNHRKSNTRKVDKVEPKSCDKHTPCPCPAPRL 240
QY 235 GGPVFLPFPKPKDQLMISRTPEVTCVVVDVSHEDPEVKFMVYDGVENVNAKTRPREBQ 294
Db 241 GGPVFLPFPKPKDQLMISRTPEVTCVVVDVSHEDPEVKFMVYDGVENVNAKTRPREBQ 300
QY 295 YNSTYRVSVLTJVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 354
Db 301 YNSTYRVSVLTJVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 360
QY 355 DELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNKTTPVLDSDGSFFLYSKLTVDKS 414
Db 361 DELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNKTTPVLDSDGSFFLYSKLTVDKS 420
QY 415 MOGNVFPSCSVLHEALHNHYTOKSLSPGK 446
Db 421 MOGNVFPSCSVLHEALHNHYTOKSLSPGK 452

RESULT 5
US-09-026-985-71
; Sequence 71, Application US/09026985
; Patent No. 6133426
; GENERAL INFORMATION:
; APPLICANT: Gonzalez, Tania R.
; APPLICANT: Leong, Steven R.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,985
; FILING DATE: 20-Feb-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: P1085R3-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5530
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 452 amino acids
; TYPE: Amino acid
; TOPOLOGY: Linear
; US-09-026-985-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQLVQSGAEYVKRPGSSSVKSCASGYTFTSYRMHWVARQPGQLEWIGYINPSTGYEY 60
Db 1 EVQLVQSGGGLVQPGSGIRLSCAASGYFSFSHYMHMVARQPGKLEWVGYPDPSNGETTY 60
QY 61 NQPKDKATITADESTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTIVT 114
Db 61 NQPKDKATITADESTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTIVT 114

Db	61	NQFKGRFTLSRNSXNTAYLQWNISLRADIAVYICANGDYRYNDGWFEDWGGCLVTV	120
Qy	115	SSASTKGPVSFPLAPSPSSKTSGGTALGCLVADYFPPEPVTSNMSGALTSGVHTFPAPLQ	174
Db	121	SSASTKGPVSFPLAPSPSSKTSGGTALGCLVADYFPPEPVTSNMSGALTSGVHTFPAPLQ	180
Qy	175	SSGCLYSLSSVTVVPSSSLGTQYIYICNVNKPENITVYDKVBEKSCDKTHTCPGPCABELL	234
Db	181	SSGCLYSLSSVTVVPSSSLGTQYIYICNVNKPENITVYDKVBEKSCDKTHTCPGPCABELL	240
Qy	235	GGPSVFLFPKPKPDQLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVENHNATKRPBEQ	294
Db	241	GGPSVFLFPKPKPDQLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVENHNATKRPBEQ	300
Qy	295	YNSTYRVSVLVTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR	354
Db	301	YNSTYRVSVLVTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR	360
Qy	355	DELTKQVSLTCLVKGFPYSDIAVEHESNGQENNNKTTTPRLDSDSGFEFLYSKLTVDKS	414
Db	361	DEMTKQVSLTCLVKGFPYSDIAVEHESNGQENNNKTTTPRLVSDSGFEFLYSKLTVDKS	420
Qy	415	RMQGQNVFSCSVLHEALAHNHYTQKSLSLSPG	446
Db	421	RMQGQNVFSCSVLHEALAHNHYTQKSLSLSPG	452

RESULT 6
 US-09-121-952A-71
 Sequence 71, Application US/09121952A
 Patent No. 6458355
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc., Hsai, Vanessa
 APPLICANT: Komenets, Iphigenia
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Shahrokhi, Zahra
 APPLICANT: Zapata, Gerardo A.
 TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
 TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/121,952A
 FILING DATE: 24-Jul-1998
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/074330
 FILING DATE: 22-JAN-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/075467
 FILING DATE: 20-FEB-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:

```

;          LENGTH: 452 amino acids
;          TYPE: Amino Acid
;          TOPOLOGY: Linear
US-09-121-952A-71

Query Match          91.4%   Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%   Pred. NO. 3,56-160;
Matches 40%; Conservative 23; Mismatches 19; Indels 6; Gaps 1

```

Qy	1	QYQVLQVSGAEVKKPGSSVYVSCASQAGFYFYSIRHMWNAQAGQJLWLGYNPSYGLYR	60
Qy	2	1	60
Db	1	EVQVLVSGGGGLVQPGSLRLSCAASGYFSSHHYHWVAQAGKGLWVGVIDPANGETTY	60
Qy	61	NOKEKOKATITTADESTNTAYNELSSLRBEDPVAITYCA-----GGGVDPWGGGLVTY	114
Db	61	NOKEKRPFLTSDNSKNTATYLLQMNLSLRBDTAIVYYCAGDGRYXNGDWFEFDWGGGLVTY	120
Qy	115	SSKSTGSPVFPFLAPSSKSTSGCTAALCGLVQDPEPEPVYSSNMGALTSQVHTFPVQLQ	174
Db	121	SSASTGSPVFPFLAPSSKSTSGCTAALCGLVQDPEPEPVYSSNMGALTSQVHTFPVQLQ	180
Qy	175	SSGLVSLSSVWTVPPSSLGQTQYICNVNKKPSNTKVDKVPKSCDTHTCPCPABELL	234
Db	181	SSGLVSLSSVWTVPPSSLGQTQYICNVNKKPSNTKVDKVPKSCDTHTCPCPABELL	240
Qy	235	GGSPSVLPFPKPKDQMLSTRPEVTVVVDVSHEDPEKFWYVYDGEVYNAKTKPREEQ	294
Db	241	GGSPSVLPFPKPKDQMLSTRPEVTVVVDVSHEDPEKFWYVYDGEVYNAKTKPREEQ	300
Qy	295	YNSYTVVSVLVTLVHODMLNGEKYCKVSNKALPAPIKTSKAKQGPREEQVYTLPEPSR	354
Db	301	YNSYTVVSVLVTLVHODMLNGEKYCKVSNKALPAPIKTSKAKQGPREEQVYTLPEPSR	360
Qy	355	DELTKNQVSLTCLVKGFPYSDIAYWESNGCPENNKYKTPPEVLDSGSFPLYSKLTVDKS	414
Db	361	EBMTKNQVSLTCLVKGFPYSDIAYWESNGCPENNKYKTPPEVLDSGSFPLYSKLTVDKS	420
Qy	415	RWQGGVNSCSVLHEALHNHTYQKSLSPK 446	
Db	421	RWQGGVNSCSVLHEALHNHTYQKSLSPK 452	

RESULT 7
 US-09-234-340A-71
 Sequence 71, Application US/09234340A
 Patent No. 6468532
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc., Hseil, Vanessa
 APPLICANT: Kouments, Iphigenia
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Shahrokh, Zahra
 APPLICANT: Zapata, Gerardo A.
 TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
 TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT- POLYMER CONJUGATES
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPacIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/234,340A
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRAQPGGLEWIGYINPSTGYEY 60
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSSSHYMHWRQAPGKLEWVGITDPSNGETTY 60
QY 61 NQKPKDKATITADSTNTAYMELSLRSBDTAVYYCAR-----GGVFDYWGQGLTVTV 114
DB 61 NQKPKGRFTLSRDNSKNTAYLQMNSLRADDTAVYYCAAGDYRYNGDMWDFDVGQGLTVTV 120
QY 115 SSASTKGPSPVPLAPSSKSTSGCTAALGCLVKDYRPEPTVYSWNSGALTSGVHTFPAVLQ 174
DB 121 SSASTKGPSPVPLAPSSKSTSGCTAALGCLVKDYRPEPTVYSWNSGALTSGVHTFPAVLQ 180
QY 175 SSGVLSLSSVTVTPSSSLGTQTYICNVNHPKSTNTVDKKVPEKSCDKHTHCPCPAPRL 234
DB 181 SSGVLSLSSVTVTPSSSLGTQTYICNVNHPKSTNTVDKKVPEKSCDKHTHCPCPAPRL 240
QY 235 GGPSPVPLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 294
DB 241 GGPSPVPLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 300
QY 295 YNSTTRVVSVLTVLHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 354
DB 301 YNSTTRVVSVLTVLHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 360
QY 355 DELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 414
DB 361 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 420
QY 415 RMQGNVFSCSVHEALHNHYTQKSLSLSPGK 446
DB 421 RMQGNVFSCSVHEALHNHYTQKSLSLSPGK 452

RESULT 8
US-09-355-014-71
Sequence 71, Application US/09355014
Patent No. 6870033
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hael, Vanessa
Koumenis, Iphigenia
Leong, Steven R.
Presta, Leonard G.
Shahrokhi, Zahra
Zapata, Gerardo A.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:

ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/355,014
FILING DATE: 21-Jul-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108583PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 71:
US-09-355-014-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRAQPGGLEWIGYINPSTGYEY 60
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSSSHYMHWRQAPGKLEWVGITDPSNGETTY 60
QY 61 NQKPKDKATITADSTNTAYMELSLRSBDTAVYYCAR-----GGVFDYWGQGLTVTV 114
DB 61 NQKPKGRFTLSRDNSKNTAYLQMNSLRADDTAVYYCAAGDYRYNGDMWDFDVGQGLTVTV 120
QY 115 SSASTKGPSPVPLAPSSKSTSGCTAALGCLVKDYRPEPTVYSWNSGALTSGVHTFPAVLQ 174
DB 121 SSASTKGPSPVPLAPSSKSTSGCTAALGCLVKDYRPEPTVYSWNSGALTSGVHTFPAVLQ 180
QY 175 SSGVLSLSSVTVTPSSSLGTQTYICNVNHPKSTNTVDKKVPEKSCDKHTHCPCPAPRL 234
DB 181 SSGVLSLSSVTVTPSSSLGTQTYICNVNHPKSTNTVDKKVPEKSCDKHTHCPCPAPRL 240
QY 235 GGPSPVPLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 294
DB 241 GGPSPVPLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 300
QY 295 YNSTTRVVSVLTVLHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 354
DB 301 YNSTTRVVSVLTVLHQMNLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSR 360
QY 355 DELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 414
DB 361 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 420
QY 415 RMQGNVFSCSVHEALHNHYTQKSLSLSPGK 446
DB 421 RMQGNVFSCSVHEALHNHYTQKSLSLSPGK 452

RESULT 9
US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROWE, JAMES SCOTT


```

; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/934,373C
; FILING DATE: 21-Aug-1992
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05126
; FILING DATE: 15-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0709P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1994
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-07-934-373C-22

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Query Match      90.4%; Score 2153; DB 1; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVQLVQSGAEYVKRQSSVKVSCKASGYTFSTYRMHWROAPQGLLEWIGYINPSTGYTEY 60
DB 1 QVQLVQSGAEYVKRQSSVKVSCKASGYTFSTYRMHWROAPQGLLEWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLTV 112
DB 61 NQKFKDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLTV 112
QY 113 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
DB 113 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
QY 121 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
DB 121 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
QY 173 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 232
DB 173 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 232
QY 181 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 240
DB 181 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 240
QY 233 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
DB 233 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
QY 241 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
DB 241 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
QY 293 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
DB 293 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
QY 301 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
DB 301 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
QY 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
DB 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
QY 361 SREETKQNVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
DB 361 SREETKQNVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
QY 413 KSRWQOGNVFSCSYVHEALHNHYTOKSLSPGK 446
DB 413 KSRWQOGNVFSCSYVHEALHNHYTOKSLSPGK 446
QY 421 KSRWQOGNVFSCSYVHEALHNHYTOKSLSPGK 454
DB 421 KSRWQOGNVFSCSYVHEALHNHYTOKSLSPGK 454

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* RESULT 12
US-08-437-642B-22
; Sequence 22, Application US/08437642B
; Patent No. 6054297
; GENERAL INFORMATION:
; APPLICANT: Paul J. Carter

```

```

; APPLICANT: Leonard G. Presta
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/437,642B
; FILING DATE: 09-May-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/934373
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/146206
; FILING DATE: 17-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05126
; FILING DATE: 15-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0709P2C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1994
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-437-642B-22

```

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Query Match      90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVQLVQSGAEYVKRQSSVKVSCKASGYTFSTYRMHWROAPQGLLEWIGYINPSTGYTEY 60
DB 1 QVQLVQSGAEYVKRQSSVKVSCKASGYTFSTYRMHWROAPQGLLEWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLTV 112
DB 61 NQKFKDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLTV 112
QY 113 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
DB 113 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
QY 121 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
DB 121 TVSSASTKGPSPVPLAPSSKSTSGTALAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
QY 173 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 232
DB 173 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 232
QY 181 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 240
DB 181 LQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTCTPCPAPE 240
QY 233 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
DB 233 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
QY 241 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
DB 241 LLGGPSVFLPPEPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
QY 293 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
DB 293 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
QY 301 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
DB 301 EQYNSTYRVVSVLTVTHQDMLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360

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Db 121 TVSSASTKGPVFLAPSSKSTSGTALGCLVNDYFPEPVTVSNMNSGALTSVHTPPAV 180
Qy 173 LOSGGLYSLSVVTVPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 232
Db 181 LOSGGLYSLSVVTVPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 240
Qy 233 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 292
Db 241 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 300
Qy 293 EQYNSTRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLP 352
Db 301 EQYNSTRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLP 360
Qy 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
Db 361 SREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
Qy 413 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 446
Db 421 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 454

RESULT 15

US-09-705-392A-22
Sequence 22, Application US/09705392A
Patent No. 671971

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.
Presta, Leonard G.

TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.

STREET: 1 DNA Way
CITY: South San Francisco

STATE: California
COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/705,392A

FILING DATE: 02-No. 6719971-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P1D1 REVISED
TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-705-392A-22

Query Match 90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

Qy 1 QVQLVQSGAEVKKGSSVKVCKASGYTFTSRHHWRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKGSSVKVCKASGYTFTSRHHWRQAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NQKRDATTTADESTTAVNELSLRSEDPTAVYTCARGGV-----FDYWGQGLV 112
Db 61 NQKRDATTTADESTTAVNELSLRSEDPTAVYTCARGGV-----FDYWGQGLV 112
Qy 113 TVSSASTKGPVFLAPSSKSTSGTALGCLVNDYFPEPVTVSNMNSGALTSVHTPPAV 172
Db 121 TVSSASTKGPVFLAPSSKSTSGTALGCLVNDYFPEPVTVSNMNSGALTSVHTPPAV 180
Qy 173 LOSGGLYSLSVVTVPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 232
Db 181 LOSGGLYSLSVVTVPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 240
Qy 233 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 292
Db 241 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 300
Qy 293 EQYNSTRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLP 352
Db 301 EQYNSTRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLP 360
Qy 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
Db 361 SREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
Qy 413 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 446
Db 421 KSRWQGNVFSCSVMEALHNHYTQKSLSLSPGK 454

Search completed: May 15, 2006, 11:43:58
Job time : 46.3445 secs

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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:57:43 ; Search time 148.892 Seconds
(without alignments)
1251.589 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVQSGAEVKKPKSSSKV.....LHEALHNHYTKSLSPK 446

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpa/US07_PUBSCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpa/US08_PUBSCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpa/US09_PUBSCOMB.pep.*
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5: /cgn2_6/ptodata/1/pubpa/US10B_PUBSCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpa/US11_PUBSCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2382	100.0	446	5	US-10-822-300-122 Sequence 122, App
2	2380	99.9	446	5	US-10-822-300-120 Sequence 120, App
3	2378	99.8	446	5	US-10-822-300-123 Sequence 123, App
4	2376	99.7	446	5	US-10-822-300-121 Sequence 121, App
5	2375	99.7	446	5	US-10-822-300-119 Sequence 119, App
6	2374	99.7	446	5	US-10-947-432-2 Sequence 2, App1
7	2242.5	94.1	470	4	US-10-216-484-147 Sequence 147, App
8	2242.5	94.1	470	4	US-10-216-484-145 Sequence 145, App
9	2241.5	94.1	470	4	US-10-384-933-145 Sequence 145, App
10	2241.5	94.0	470	4	US-10-216-484-143 Sequence 143, App
11	2239.5	94.0	470	4	US-10-384-933-143 Sequence 143, App
12	2239.5	94.0	470	4	US-10-216-484-143 Sequence 143, App
13	2236.5	93.9	470	4	US-10-216-484-117 Sequence 117, App
14	2236.5	93.9	470	4	US-10-384-933-117 Sequence 117, App
15	2234.5	93.8	447	5	US-10-822-300-113 Sequence 113, App
16	2234.5	93.8	448	4	US-10-411-037-56 Sequence 56, App1
17	2234.5	93.8	448	4	US-10-411-026-56 Sequence 56, App1
18	2234.5	93.8	448	4	US-10-410-962-56 Sequence 56, App1
19	2234.5	93.8	448	4	US-10-410-962-56 Sequence 56, App1
20	2234.5	93.8	448	4	US-10-410-930-56 Sequence 56, App1
21	2234.5	93.8	448	4	US-10-410-997-56 Sequence 56, App1
22	2234.5	93.8	448	4	US-10-411-012-56 Sequence 56, App1
23	2234.5	93.8	448	4	US-10-287-994-56 Sequence 56, App1
24	2234.5	93.8	448	4	US-10-410-913-56 Sequence 56, App1
25	2234.5	93.8	448	4	US-10-410-980-56 Sequence 56, App1
26	2234.5	93.8	448	5	US-10-410-897-56 Sequence 56, App1
27	2234.5	93.8	448	5	US-10-492-261-56 Sequence 56, App1

28	2233.5	93.8	470	4	US-10-216-484-157 Sequence 157, App
29	2233.5	93.8	470	4	US-10-384-933-157 Sequence 157, App
30	2232.5	93.7	447	5	US-10-822-300-131 Sequence 131, App
31	2231.5	93.7	453	4	US-10-813-483-6 Sequence 6, App1
32	2231.5	93.7	453	6	US-11-013-966-6 Sequence 6, App1
33	2230.5	93.6	447	5	US-10-822-300-134 Sequence 134, App
34	2228.5	93.6	447	5	US-10-822-300-132 Sequence 132, App
35	2227.5	93.5	447	5	US-10-822-300-130 Sequence 130, App
36	2227	93.5	448	4	US-10-378-567-2 Sequence 2, App1
37	2223.5	93.3	470	4	US-10-216-484-89 Sequence 89, App1
38	2223.5	93.3	470	4	US-10-384-933-89 Sequence 89, App1
39	2215	93.0	465	4	US-10-404-724-25 Sequence 25, App1
40	2215	93.0	465	5	US-10-816-276-21 Sequence 21, App1
41	2214	92.9	731	3	US-09-825-012-46 Sequence 46, App1
42	2214	92.9	741	3	US-09-825-012-45 Sequence 45, App1
43	2212	92.9	448	4	US-10-171-452A-48 Sequence 48, App1
44	2212	92.9	448	4	US-10-171-452A-60 Sequence 60, App1
45	2212	92.9	448	4	US-10-353-708-48 Sequence 48, App1

ALIGNMENTS

RESULT 1
US-10-822-300-122
; Sequence 122, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882, 0039, CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 122
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-122
Query Match 100.0%; Score 2382; DB 5; Length 446;
Best Local Similarity 100.0%; Pred. No. 2.8e-149;
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	QVQLVQSGAEVKKPKSSSKVSCKASGYTFTSYRMHWNRQADGQLEWIGYINPSTGYEY	60
DB	1	QVQLVQSGAEVKKPKSSSKVSCKASGYTFTSYRMHWNRQADGQLEWIGYINPSTGYEY	60
QY	61	NQKKDKATTTADSTNTAVNELSLRSEDNAVYYCARGGVFPYWGQTLVYSSASTK	120
DB	61	NQKKDKATTTADSTNTAVNELSLRSEDNAVYYCARGGVFPYWGQTLVYSSASTK	120
QY	121	GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMGSALTGTGVPFPAVLQSSGLYS	180
DB	121	GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMGSALTGTGVPFPAVLQSSGLYS	180
QY	181	LSSVTVVSSSLGQTYICNVNHRKPSNTKDKVEPKSCDKTHTCPCPAPAEALLGGPSVF	240
DB	181	LSSVTVVSSSLGQTYICNVNHRKPSNTKDKVEPKSCDKTHTCPCPAPAEALLGGPSVF	240
QY	241	LFPPKPKDQMLISTRTPEYTCVVDVSHEDPEVKKNWYVDGVEVNNATKPREEOYNSYR	300
DB	241	LFPPKPKDQMLISTRTPEYTCVVDVSHEDPEVKKNWYVDGVEVNNATKPREEOYNSYR	300
QY	301	VVSIVTLVHODMLNGEKYCKVSNKALPAPEKTIISRAKQPRRPQVYTLPPSDELTKN	360
DB	301	VVSIVTLVHODMLNGEKYCKVSNKALPAPEKTIISRAKQPRRPQVYTLPPSDELTKN	360
QY	361	QVSLITCLVKGFPSPDIAVWESNQPENNYKTTPVLDSDGSFPLYSKLTVDKSRWQGN	420
DB	361	QVSLITCLVKGFPSPDIAVWESNQPENNYKTTPVLDSDGSFPLYSKLTVDKSRWQGN	420

QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
DB 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 2

US-10-822-300-120
; Sequence 120, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 120
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-120

Query Match 99.9%; Score 2380; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 3.8e-149;
Matches 445; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
DB 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICVNNHKKPSNTKYDKVKEPKSCDKHTCCPCPAPELLGGPSVF 240
DB 181 LSSVTVTPSSSLGTQTYICVNNHKKPSNTKYDKVKEPKSCDKHTCCPCPAPELLGGPSVF 240
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKRREQDYNSTYR 300
DB 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKRREQDYNSTYR 300
QY 301 VVSVLTALVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
DB 301 VVSVLTALVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
DB 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
DB 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 3

US-10-822-300-123
; Sequence 123, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09

; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-123

Query Match 99.8%; Score 2378; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 5.1e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
DB 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICVNNHKKPSNTKYDKVKEPKSCDKHTCCPCPAPELLGGPSVF 240
DB 181 LSSVTVTPSSSLGTQTYICVNNHKKPSNTKYDKVKEPKSCDKHTCCPCPAPELLGGPSVF 240
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKRREQDYNSTYR 300
DB 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKRREQDYNSTYR 300
QY 301 VVSVLTALVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
DB 301 VVSVLTALVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
DB 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
DB 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 4

US-10-822-300-121
; Sequence 121, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-121

Query Match 99.7%; Score 2376; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 7e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
DB 1 QVQLVSGAEVKKVSGSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120

Db 61 NOKFKDKATTTADESTNTAYMELSSLRSEDTAVVYCARGGGVFDVWGCGTLVTVSSASTK 120
Qy 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Db 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Qy 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Db 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Qy 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Db 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Qy 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Db 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Qy 421 VFSCSVLHEALHNHTYOKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYOKSLSPGK 446

RESULT 5

US-10-822-300-119
; Sequence 119, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 119
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-119

Query Match 99.7%; Score 2375; DB 5; Length 446;

Best Local Similarity 99.6%; Pred. No. 8.1e-149;

Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NOKFKDKATTTADESTNTAYMELSSLRSEDTAVVYCARGGGVFDVWGCGTLVTVSSASTK 120
Db 61 NOKFKDKATTTADESTNTAYMELSSLRSEDTAVVYCARGGGVFDVWGCGTLVTVSSASTK 120
Qy 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Db 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Qy 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Db 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Qy 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Db 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Qy 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360

Db 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Db 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Qy 421 VFSCSVLHEALHNHTYOKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYOKSLSPGK 446

RESULT 6

US-10-947-432-2
; Sequence 2, Application US/10947432
; Publication No. US20050089517A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR
; FILE REFERENCE: 05882.0207.NPUS02
; CURRENT APPLICATION NUMBER: US/10/947,432
; CURRENT FILING DATE: 2004-09-21
; PRIOR APPLICATION NUMBER: US 60/505,883
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: US 60/552,974
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Humanized antibody
US-10-947-432-2

Query Match 99.7%; Score 2374; DB 5; Length 446;

Best Local Similarity 99.6%; Pred. No. 9.4e-149;

Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NOKFKDKATTTADESTNTAYMELSSLRSEDTAVVYCARGGGVFDVWGCGTLVTVSSASTK 120
Db 61 NOKFKDKATTTADESTNTAYMELSSLRSEDTAVVYCARGGGVFDVWGCGTLVTVSSASTK 120
Qy 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Db 121 GPSVPLPAPSSKSTSGGTALGCLVKDYFPEPVTVSWMNSGALTSGVHTPAVLQSSGLYS 180
Qy 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Db 181 LSSVTVVSSSLGTQTYICNVNHPKSNKVPKSCDKHTHCPCPAPBLDGPSPVF 240
Qy 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Db 241 LPPPKDQMLMSRTPEVTCVAVDVSHEDPEVKFWMYVDGVEVHNAKTKPREEQYNSTR 300
Qy 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVTLTVLHQMVLNKEKVCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Db 361 QVSLTCLVKGFYPSDIAVWESNQPENNYKTTTPVLDSGSPFLYSKLTVDKSRWQGN 420
Qy 421 VFSCSVLHEALHNHTYOKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYOKSLSPGK 446


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; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match          94.1%; Score 2241.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 5.8e-140;
Matches 422; Conservative 9; Mismatches 15; Indels 5; Gaps 1;

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGYSFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 60
DB 20 QVQLVQSGAEVKKPGASVKVSCKASGYSFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 79
QY 61 NQKFDKATITADESTNAYNELSLRSEDTAVYYCAR----GGVFDYWGQGTLLVTVS 115
DB 80 NQKFGKATITVDSTSTAYNELSLRSEDTAVYYCARNRDYSNMNYFDVWGQGTLLVTVS 139
QY 116 SASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAVLQS 175
DB 140 SASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAVLQS 199
QY 176 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKVEPKSCDKHTTCCPCPAPELLG 235
DB 200 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKVEPKSCDKHTTCCPCPAPELLG 259
QY 236 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREQ 295
DB 260 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREQ 319
QY 296 NSTRVVSVLTVLHODMNLNGEKYKCKVSNKALPAPIETKISKAKQPREPOVYTLPPSRD 355
DB 320 NSTRVVSVLTVLHODMNLNGEKYKCKVSNKALPAPIETKISKAKQPREPOVYTLPPSRD 379
QY 356 ELTRNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR 415
DB 380 EMTNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR 439
QY 416 WOQGNVFSCSVLHEALHNHYTQKSLSLSPGK 446
DB 440 WOQGNVFSCSVLHEALHNHYTQKSLSLSPGK 470

RESULT 10
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match          94.1%; Score 2241.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 5.8e-140;
Matches 422; Conservative 9; Mismatches 15; Indels 5; Gaps 1;

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGYSFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 60
DB 20 QVQLVQSGAEVKKPGASVKVSCKASGYSFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 79
QY 61 NQKFDKATITADESTNAYNELSLRSEDTAVYYCAR----GGVFDYWGQGTLLVTVS 115
DB 80 NQKFGKATITVDSTSTAYNELSLRSEDTAVYYCARNRDYSNMNYFDVWGQGTLLVTVS 139
QY 116 SASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAVLQS 175
DB 140 SASTKGPSVFPLAPSSKSTSGGTAALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAVLQS 199
QY 176 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKVEPKSCDKHTTCCPCPAPELLG 235
DB 200 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKVEPKSCDKHTTCCPCPAPELLG 259
QY 236 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREQ 295
DB 260 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREQ 319
QY 296 NSTRVVSVLTVLHODMNLNGEKYKCKVSNKALPAPIETKISKAKQPREPOVYTLPPSRD 355
DB 320 NSTRVVSVLTVLHODMNLNGEKYKCKVSNKALPAPIETKISKAKQPREPOVYTLPPSRD 379
QY 356 ELTRNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR 415
DB 380 EMTNQVSLTCLVKGFIPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR 439
QY 416 WOQGNVFSCSVLHEALHNHYTQKSLSLSPGK 446
DB 440 WOQGNVFSCSVLHEALHNHYTQKSLSLSPGK 470

RESULT 11
US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match          94.0%; Score 2239.5; DB 4; Length 470;
Best Local Similarity 93.3%; Pred. No. 7.8e-140;
Matches 421; Conservative 10; Mismatches 15; Indels 5; Gaps 1;
```

```
QY 1 QVQVVGSAEYKKGSSVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 60
DB 20 QVQVVGSAEYKKGSAVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 79
QY 61 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCAR-----GGGVFDYWGQGLTVTVS 115
DB 80 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCARNDYSNNWYFDWGQGLTVTVS 139
QY 116 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 175
DB 140 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 199
QY 176 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 235
DB 200 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 259
QY 236 GPSVFLFPPKPKDLMISRTPEVTCVVDVSHEDPEVKFNNYVDGVEVNAKTKPRBEQY 295
DB 260 GPSVFLFPPKPKDLMISRTPEVTCVVDVSHEDPEVKFNNYVDGVEVNAKTKPRBEQY 319
QY 296 NSTYRVSVTLTVLHODMLNKEKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRD 355
DB 320 NSTYRVSVTLTVLHODMLNKEKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRRE 379
QY 356 ELTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTPPVLDSGSFPLYSKLTVDKSR 415
DB 380 EMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTPPVLDSGSFPLYSKLTVDKSR 439
QY 416 WQGNVFSCSVHLEALHNHYTQKSLSLSPGK 446
DB 440 WQGNVFSCSVHLEALHNHYTQKSLSLSPGK 470

RESULT 12
US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 94.0%; Score 2239.5; DB 4; Length 470;
Best Local Similarity 93.3%; Pred. No. 7.8e-140;
Matches 421; Conservative 10; Mismatches 15; Indels 5; Gaps 1;
```

```
QY 1 QVQVVGSAEYKKGSSVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 60
DB 20 QVQVVGSAEYKKGSAVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 79
QY 61 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCAR-----GGGVFDYWGQGLTVTVS 115
DB 80 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCARNDYSNNWYFDWGQGLTVTVS 139
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QY 116 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 175
DB 140 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 199
QY 176 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 235
DB 200 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 259
QY 236 GPSVFLFPPKPKDLMISRTPEVTCVVDVSHEDPEVKFNNYVDGVEVNAKTKPRBEQY 295
DB 260 GPSVFLFPPKPKDLMISRTPEVTCVVDVSHEDPEVKFNNYVDGVEVNAKTKPRBEQY 319
QY 296 NSTYRVSVTLTVLHODMLNKEKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRD 355
DB 320 NSTYRVSVTLTVLHODMLNKEKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRRE 379
QY 356 ELTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTPPVLDSGSFPLYSKLTVDKSR 415
DB 380 EMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTPPVLDSGSFPLYSKLTVDKSR 439
QY 416 WQGNVFSCSVHLEALHNHYTQKSLSLSPGK 446
DB 440 WQGNVFSCSVHLEALHNHYTQKSLSLSPGK 470

RESULT 13
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-117

Query Match 93.9%; Score 2236.5; DB 4; Length 470;
Best Local Similarity 93.1%; Pred. No. 1.2e-139;
Matches 420; Conservative 11; Mismatches 15; Indels 5; Gaps 1;
```

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QY 1 QVQVVGSAEYKKGSSVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 60
DB 20 QVQVVGSAEYKKGSAVKVSCKASGYTFTSYRMHWYRQAPGQGLEWIGYINPSTGYTEY 79
QY 61 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCAR-----GGGVFDYWGQGLTVTVS 115
DB 80 NQKFKGKATLTVDISTSTAYMELSLRSEDTAYVYCARNDYSNNWYFDWGQGLTVTVS 139
QY 116 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 175
DB 140 SASTKGSVPPLAPSSKSTSGTAAAGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQS 199
QY 176 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 235
DB 200 SGLYSLSAVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLG 259
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Qy 236 GPSVFLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOY 295
Db 260 GPSVFLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOY 319
Qy 296 NSTYRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRD 355
Db 320 NSTYRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRD 379
Qy 356 ELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKR 415
Db 380 EMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKR 439
Qy 416 MOGNVSCSVLHEALHNHYTQKSLSLSPGK 446
Db 440 MOGNVSCSVLHEALHNHYTQKSLSLSPGK 470

RESULT 14
US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Toru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; US-10-384-933-117

Query Match 93.9%; Score 2236.5; DB 4; Length 470;
Best Local Similarity 93.1%; Pred. No. 1.2e-139;
Matches 420; Conservative 11; Mismatches 15; Indels 5; Gaps 1;

Qy 1 QVQLVQSGAEYKPKGSSSVKVCCKASGYFTSYRMHWVROAPGQGLEWIGYINPSTGYTEY 60
Db 20 QVQLVQSGAEYKPKGSSSVKVCCKASGYFTSYRMHWVROAPGQGLEWIGYINPSTGYTEY 79
Qy 61 NQKKDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGGVDDYVQGGTLTVVS 115
Db 80 NQKKDKATITADSTNTAYMELSLRSEDTAVYYCARNDYNNWYDDVWGEGLTVVS 139
Qy 116 SASTKGSVPFLAPSSKSTSGTAAAGCLVNDYFPEPTVSMNSGALTSVHTPPAVLQS 175
Db 140 SASTKGSVPFLAPSSKSTSGTAAAGCLVNDYFPEPTVSMNSGALTSVHTPPAVLQS 199
Qy 176 SGLYSLSVTVTPSSSLGTQYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPELLG 235
Db 200 SGLYSLSVTVTPSSSLGTQYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPELLG 259
Qy 236 GPSVFLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOY 295
Db 260 GPSVFLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOY 319
Qy 296 NSTYRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRD 355
Db 320 NSTYRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRD 379

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Qy 356 ELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKR 415
Db 380 EMTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKR 439
Qy 416 MOGNVSCSVLHEALHNHYTQKSLSLSPGK 446
Db 440 MOGNVSCSVLHEALHNHYTQKSLSLSPGK 470

RESULT 15
US-10-822-300-133
; Sequence 133, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 133
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-822-300-133

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Query Match 93.8%; Score 2234.5; DB 5; Length 447;
Best Local Similarity 94.9%; Pred. No. 1.6e-139;
Matches 424; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

Qy 1 QVQLVQSGAEYKPKGSSSVKVCCKASGYFTSYRMHWVROAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEYKPKGSSSVKVCCKASGYFTSYRMHWVROAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NQKKDKATITADSTNTAYMELSLRSEDTAVYYCARGGVDDYVQGGTLTVVSAST 119
Db 61 NQKKDKATITADSTNTAYMELSLRSEDTAVYYCARGLPWADWQGGTLTVVSSAST 120
Qy 120 KGPSVFLAPSSKSTSGTAAAGCLVNDYFPEPTVSMNSGALTSVHTPPAVLQSSGLY 179
Db 121 KGPSVFLAPSSKSTSGTAAAGCLVNDYFPEPTVSMNSGALTSVHTPPAVLQSSGLY 180
Qy 180 SLSSVTVTPSSSLGTQYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPELLGSPV 239
Db 181 SLSSVTVTPSSSLGTQYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPELLGSPV 240
Qy 240 FLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOYNSTY 299
Db 241 FLPPKPKDOLMISRTPEVTCVVVDVSHEDDEVKNMYVDGVENNAKTKPREBOYNSTY 300
Qy 300 RVVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTK 359
Db 301 RVVSVLTVLHODMNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTK 360
Qy 360 NOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKRWQOG 419
Db 361 NOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDSKRWQOG 420
Qy 420 NVFSCSVLHEALHNHYTQKSLSLSPGK 446
Db 421 NVFSCSVLHEALHNHYTQKSLSLSPGK 447

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Search completed: May 15, 2006, 12:02:45
Job time : 150.892 secs

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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:59:14 ; Search time 25.7178 Seconds

(without alignments)
814.192 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVSGAEVKKRPGSSVKV.....LHEALNHYTKSLSPK 446

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 250354 seqs, 4694837 residues

Total number of hits satisfying chosen parameters: 250354

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA New:
1: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep1:*
2: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep1:*
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6: /SIDS5/ptodata/1/pubpaa/US09_NEW_PUB.pep1:*
7: /SIDS5/ptodata/1/pubpaa/US10_NEW_PUB.pep1:*
8: /SIDS5/ptodata/1/pubpaa/US10_NEW_PUB.pep1:*
9: /SIDS5/ptodata/1/pubpaa/US10_NEW_PUB.pep1:*
10: /SIDS5/ptodata/1/pubpaa/US11_NEW_PUB.pep1:*
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12: /SIDS5/ptodata/1/pubpaa/US60_NEW_PUB.pep1:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2382	100.0	446	US-11-102-621-122	Sequence 122, App
2	2380	99.9	446	US-11-102-621-120	Sequence 120, App
3	2378	99.8	446	US-11-102-621-123	Sequence 123, App
4	2376	99.7	446	US-11-102-621-121	Sequence 121, App
5	2375	99.7	446	US-11-102-621-119	Sequence 119, App
6	2248.5	94.4	462	US-11-177-648-28	Sequence 28, App1
7	2247.5	94.4	462	US-11-177-648-93	Sequence 93, App1
8	2244.5	94.2	462	US-11-177-648-27	Sequence 27, App1
9	2244.5	94.2	462	US-11-319-563-132	Sequence 132, App
10	2244.5	94.2	462	US-11-218-813-132	Sequence 132, App
11	2243.5	94.2	462	US-11-177-648-31	Sequence 31, App1
12	2242.5	94.1	462	US-11-177-648-94	Sequence 94, App1
13	2241.5	94.1	462	US-11-177-648-97	Sequence 97, App1
14	2240.5	94.1	462	US-11-177-648-96	Sequence 96, App1
15	2239.5	94.0	462	US-11-177-648-92	Sequence 92, App1
16	2239.5	94.0	462	US-11-177-648-95	Sequence 95, App1
17	2237.5	93.9	462	US-11-177-648-26	Sequence 26, App1
18	2234.5	93.8	447	US-11-102-621-133	Sequence 133, App
19	2234.5	93.8	448	US-11-183-218-56	Sequence 56, App1
20	2234.5	93.8	448	US-11-183-205-56	Sequence 56, App1
21	2233.5	93.8	462	US-11-177-648-32	Sequence 32, App1

22	2233.5	93.8	462	US-11-177-648-79	Sequence 79, App1
23	2232.5	93.7	447	US-11-102-621-131	Sequence 131, App
24	2232.5	93.7	462	US-11-177-648-29	Sequence 29, App1
25	2232.5	93.7	462	US-11-177-648-98	Sequence 98, App1
26	2231.5	93.7	453	US-11-254-182-44	Sequence 44, App1
27	2231.5	93.7	453	US-11-208-422-23	Sequence 23, App1
28	2230.5	93.6	447	US-11-102-621-134	Sequence 134, App
29	2228.5	93.6	447	US-11-102-621-132	Sequence 132, App
30	2227.5	93.5	447	US-11-102-621-130	Sequence 130, App
31	2225.5	93.4	462	US-11-177-648-33	Sequence 33, App1
32	2223.5	93.3	462	US-11-177-648-30	Sequence 30, App1
33	2212	92.9	448	US-11-158-505-16	Sequence 16, App1
34	2212	92.9	448	US-11-158-505-32	Sequence 32, App1
35	2212	92.9	467	US-11-158-505-13	Sequence 13, App1
36	2212	92.9	467	US-11-158-505-15	Sequence 15, App1
37	2212	92.9	467	US-11-158-505-29	Sequence 29, App1
38	2212	92.9	467	US-11-158-505-31	Sequence 31, App1
39	2212	92.9	467	US-11-158-505-72	Sequence 72, App1
40	2211	92.8	442	US-11-102-621-127	Sequence 127, App
41	2209	92.7	442	US-11-102-621-125	Sequence 125, App
42	2209	92.7	448	US-11-158-505-8	Sequence 8, App1
43	2209	92.7	448	US-11-158-505-24	Sequence 24, App1
44	2209	92.7	467	US-11-158-505-5	Sequence 5, App1
45	2209	92.7	467	US-11-158-505-7	Sequence 7, App1

ALIGNMENTS

```
RESULT 1
US-11-102-621-122
; Sequence 122, Application US/11102621
; Publication No. US0050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teushelta, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vazquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 122
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-122
Query Match 100.0%; Score 2382; DB 11; Length 446;
Best Local Similarity 100.0%; Pred. No. 5.3e-145;
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QVQLVSGAEVKKRPGSSVKSCASGTFPSRYMHWVRQAPGQGLEWIGYINPSTGYEY 60
Db 1 QVQLVSGAEVKKRPGSSVKSCASGTFPSRYMHWVRQAPGQGLEWIGYINPSTGYEY 60
QY 61 NQPKDKATTTADESTNTAYMEISLRSEETAVYYCARGGGVDPYWGQGLTVVSSASTK 120
Db 61 NQPKDKATTTADESTNTAYMEISLRSEETAVYYCARGGGVDPYWGQGLTVVSSASTK 120
QY 121 GPSVPLAPSSKSTSGTALAGCLVVDYPEPEPTVSNSSGALTSGYTTPAVVQSSGLYS 180
Db 121 GPSVPLAPSSKSTSGTALAGCLVVDYPEPEPTVSNSSGALTSGYTTPAVVQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQYIICVNHKPSNTKYDKKVEPKSCDKHTTCCPPAPELLGGPSVF 240
Db 181 LSSVTVTPSSSLGTQYIICVNHKPSNTKYDKKVEPKSCDKHTTCCPPAPELLGGPSVF 240
```

```
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVYHNAKTKRREQVYNSTR 300
|
|
|
Db 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVYHNAKTKRREQVYNSTR 300
QY 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
|
|
|
Db 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMQQGN 420
|
|
|
Db 361 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMQQGN 420
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 2
US-11-102-621-120
; Sequence 120, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 120
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-120

Query Match 99.9%; Score 2380; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 7.1e-145;
Matches 445; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Db 361 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMQQGN 420
|
|
|
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 3
US-11-102-621-123
; Sequence 123, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-123
```

```
Query Match 99.8%; Score 2378; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 9.5e-145;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVDSGAEVKKRSGSVKVCCKASGYTFTSYRMHWYRQAPGGGLEWIGYINPSTGYTEY 60
|
|
|
Db 1 QVQLVDSGAEVKKRSGSVKVCCKASGYTFTSYRMHWYRQAPGGGLEWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITTADESTNTAYMEISLSRSEDYAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
|
|
|
Db 61 NQKFKDKATITTADESTNTAYMEISLSRSEDYAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
QY 121 GPSVFPFLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLAQSSGLYS 180
|
|
|
Db 121 GPSVFPFLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLAQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGGPSVF 240
|
|
|
Db 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGGPSVF 240
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVYHNAKTKRREQVYNSTR 300
|
|
|
Db 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVYHNAKTKRREQVYNSTR 300
QY 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
|
|
|
Db 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMQQGN 420
|
|
|
Db 361 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMQQGN 420
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 4
US-11-102-621-121
; Sequence 121, Application US/11102621
; Publication No. US20050276799A1
```

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; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PERM BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-121

Query Match      99.7%; Score 2376; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 1.3e-144;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYTEY 60
DB 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITPADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
DB 61 NQKFKDKATITPADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSGVHTFPALVQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSGVHTFPALVQSSGLYS 180
QY 181 LSSVTVVSSSLGQTYICNNVHKPSNKKVKKVPSKCDKTHPCPCPAPBLGGPSVF 240
DB 181 LSSVTVVSSSLGQTYICNNVHKPSNKKVKKVPSKCDKTHPCPCPAPBLGGPSVF 240
QY 241 LFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFPMVYDGVVHNAKTKPREEQYNSTYR 300
DB 241 LFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFPMVYDGVVHNAKTKPREEQYNSTYR 300
QY 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYVTLPPSRDELTKN 360
DB 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYVTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
DB 361 QVSLTCLVKGFPYSDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
QY 421 VFSCSVLHEALHNHTOKSLSPGK 446
DB 421 VFSCSVLHEALHNHTOKSLSPGK 446

RESULT 5
US-11-102-621-119
; Sequence 119, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PERM BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08

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; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 119
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-119

Query Match      99.7%; Score 2375; DB 11; Length 446;
Best Local Similarity 99.6%; Pred. No. 1.5e-144;
Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYTEY 60
DB 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITPADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
DB 61 NQKFKDKATITPADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSGVHTFPALVQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSGVHTFPALVQSSGLYS 180
QY 181 LSSVTVVSSSLGQTYICNNVHKPSNKKVKKVPSKCDKTHPCPCPAPBLGGPSVF 240
DB 181 LSSVTVVSSSLGQTYICNNVHKPSNKKVKKVPSKCDKTHPCPCPAPBLGGPSVF 240
QY 241 LFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFPMVYDGVVHNAKTKPREEQYNSTYR 300
DB 241 LFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFPMVYDGVVHNAKTKPREEQYNSTYR 300
QY 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYVTLPPSRDELTKN 360
DB 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYVTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
DB 361 QVSLTCLVKGFPYSDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
QY 421 VFSCSVLHEALHNHTOKSLSPGK 446
DB 421 VFSCSVLHEALHNHTOKSLSPGK 446

RESULT 6
US-11-177-648-28
; Sequence 28, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; CURRENT FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

```

OTHER INFORMATION: 2A10 heavy chain humanised construct H700
US-11-177-648-28

Query Match 94.4%; Score 2248.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 1.8e-136;
Matches 423; Conservative 7; Mismatches 13; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKPKSSVKVSCKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTEY 60
DB 20 QVQLVSGAEVKKPKGASVKVSKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTNY 79
QY 61 NQKFKDRAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLVTVSSASTK 120
DB 80 NEKFKSRATLTVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLVTVSSASTK 136
QY 121 GPSVFLPAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
DB 137 GPSVFLPAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
QY 181 LSSVTVPPSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 240
DB 197 LSSVTVPPSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 256
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 300
DB 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 316
QY 301 VVSIVLTALHODMNLGKCYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
DB 317 VVSIVLTALHODMNLGKCYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
QY 361 QVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTIPVLDSDGSFFLYSKLTVDKSRMQGN 420
DB 377 QVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTIPVLDSDGSFFLYSKLTVDKSRMQGN 436
QY 421 VFCSCVLAHEALHNHYTQKSLSLSPGK 446
DB 437 VFCSCVLAHEALHNHYTQKSLSLSPGK 462
```

RESULT 7
US-11-177-648-93
Sequence 93, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry Ellis
APPLICANT: Paul Andrew Hamblin
APPLICANT: Alan Alexander Wilson
APPLICANT: Alan Peter Lewis
TITLE OF INVENTION: IMMUNOGLOBULINS
FILE REFERENCE: PB60608-2
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR FILING DATE: 2004-12-20
PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: GB0329684.5
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 93
LENGTH: 462
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 2A10 heavy chain humanised construct H20
US-11-177-648-93

Query Match 94.4%; Score 2247.5; DB 11; Length 462;
Best Local Similarity 95.1%; Pred. No. 2.1e-136;
Matches 424; Conservative 5; Mismatches 14; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKPKSSVKVSCKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTEY 60
DB 20 QVQLVSGAEVKKPKGASVKVSKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTNY 79
QY 61 NQKFKDRAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLVTVSSASTK 120
DB 80 NEKFKSRATLTVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLVTVSSASTK 136
QY 121 GPSVFLPAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
DB 137 GPSVFLPAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
QY 181 LSSVTVPPSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 240
DB 197 LSSVTVPPSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 256
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 300
DB 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 316
QY 301 VVSIVLTALHODMNLGKCYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
DB 317 VVSIVLTALHODMNLGKCYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
QY 361 QVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTIPVLDSDGSFFLYSKLTVDKSRMQGN 420
DB 377 QVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTIPVLDSDGSFFLYSKLTVDKSRMQGN 436
QY 421 VFCSCVLAHEALHNHYTQKSLSLSPGK 446
DB 437 VFCSCVLAHEALHNHYTQKSLSLSPGK 462
```

RESULT 8
US-11-177-648-27
Sequence 27, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry Ellis
APPLICANT: Paul Andrew Hamblin
APPLICANT: Alan Alexander Wilson
APPLICANT: Alan Peter Lewis
TITLE OF INVENTION: IMMUNOGLOBULINS
FILE REFERENCE: PB60608-2
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR FILING DATE: 2004-12-20
PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: GB0329684.5
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 462
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 2A10 heavy chain humanised construct H6
US-11-177-648-27

Query Match 94.2%; Score 2244.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 3.3e-136;
Matches 423; Conservative 6; Mismatches 14; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKPKSSVKVSCKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTEY 60
DB 20 QVQLVSGAEVKKPKGASVKVSKASGYTFSTYRMMHWRAQPGGLEWIGYINPSTGYTNY 79
QY 61 NQKFKDRAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLVTVSSASTK 120
DB 80 NEKFKSRATLTVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLVTVSSASTK 136
```


QY 121 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
DB 137 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 196
QY 181 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 240
DB 197 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 256
QY 241 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 300
DB 257 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 316
QY 301 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 317 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 376
QY 361 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 377 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 436
QY 421 VFSCSVLHEALHNHTYOKSLSPGK 446
DB 437 VFSCSVLHEALHNHTYOKSLSPGK 462

RESULT 9

US-11-219-563-132
; Sequence 132, Application US/11219563
; Publication No. US20060088539A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; FILE REFERENCE: 13651.001 (B2L-001)
; CURRENT APPLICATION NUMBER: US/11/219,563
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US04/06586
; PRIOR FILING DATE: 2004-03-03
; PRIOR APPLICATION NUMBER: US 10/379,838
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 10/449,379
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deJ591
US-11-219-563-132

Query Match 94.2%; Score 2244.5; DB 10; Length 464;
Best Local Similarity 93.7%; Pred. No. 3.3e-136;
Matches 418; Conservative 14; Mismatches 13; Indels 1; Gaps 1;

QY 1 QVQLVQSGAEYVKRPGSSVKSCAKSGYTFSTSRMHWVRAPQGLEWIGYINPSTGYEY 60
DB 20 EVQLVQSGPEVKKPGATVKISKCTSGYTFETITIMVKAQAPKGLIEWIGININPNNGGTTY 79
QY 61 NQKPKDKATITADSTNTAAMELSLRSEDTAVYYCARGGVFDYWGQGLTVYSSASTK 120
DB 80 NQKPKDKATITADSTNTAAMELSLRSEDTAVYYCAAGWN-FDYWGQGLTVYSSASTK 138
QY 121 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
DB 139 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 198
QY 181 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 240
DB 199 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 258

QY 241 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 300
DB 259 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 316
QY 301 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 319 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 378
QY 361 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 379 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 438
QY 421 VFSCSVLHEALHNHTYOKSLSPGK 446
DB 439 VFSCSVLHEALHNHTYOKSLSPGK 464

RESULT 10

US-11-218-813-132
; Sequence 132, Application US/11218813
; Publication No. US20060062793A1
; GENERAL INFORMATION:
; APPLICANT: Webb, Iain J.
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; FILE REFERENCE: 10448-163005
; CURRENT APPLICATION NUMBER: US/11/218,813
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US2004/006543
; PRIOR FILING DATE: 2004-03-03
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deJ591
US-11-218-813-132

Query Match 94.2%; Score 2244.5; DB 11; Length 464;
Best Local Similarity 93.7%; Pred. No. 3.3e-136;
Matches 418; Conservative 14; Mismatches 13; Indels 1; Gaps 1;

QY 1 QVQLVQSGAEYVKRPGSSVKSCAKSGYTFSTSRMHWVRAPQGLEWIGYINPSTGYEY 60
DB 20 EVQLVQSGPEVKKPGATVKISKCTSGYTFETITIMVKAQAPKGLIEWIGININPNNGGTTY 79
QY 61 NQKPKDKATITADSTNTAAMELSLRSEDTAVYYCARGGVFDYWGQGLTVYSSASTK 120
DB 80 NQKPKDKATITADSTNTAAMELSLRSEDTAVYYCAAGWN-FDYWGQGLTVYSSASTK 138
QY 121 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
DB 139 GSVFPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 198
QY 181 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 240
DB 199 LSSVTVFSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTCPCPAPPELLGSPVVF 258
QY 241 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 300
DB 259 LPPPKDQQLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPRREOYNSTYR 318
QY 301 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 319 VVSUVTLVHODMLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 378
QY 361 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 379 QVSLTCLVKGFPYPSDIAVWESNQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 438

Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 439 VFSCSVHEALHNHYTKSLSPGK 464

RESULT 11

US-11-177-648-31
; Sequence 31, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177, 648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H16
US-11-177-648-31

Query Match 94.2%; Score 2243.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 3.8e-136;
Matches 422; Conservative 7; Mismatches 14; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAEVKKPSSVKVCASGTTFTSYRMHWVRQAPGQGLEWIGYINPSGTYEY 60
Db 20 QVQLVQSGAEVKKPSSVKVCASGTTFTSYRMHWVRQAPGQGLEWIGYINPSGTYEY 79
Qy 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
Db 80 NEKPKSKATITLVDSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLVTVSSASTK 136
Qy 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
Db 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
Qy 181 LSSVTVTPSSSLGQTYICNVNHKPSNTKVDKVEPKSCDKHTCTPCPAPBELLAGPSVF 240
Db 197 LSSVTVTPSSSLGQTYICNVNHKPSNTKVDKVEPKSCDKHTCTPCPAPBELLAGPSVF 256
Qy 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREEQYNSTYR 300
Db 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREEQYNSTYR 316
Qy 301 VVSIVTLVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 317 VVSIVTLVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
Qy 361 QVSLTCLVKGFPYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 420
Db 377 QVSLTCLVKGFPYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 436
Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 437 VFSCSVHEALHNHYTKSLSPGK 462

RESULT 12

US-11-177-648-94

; Sequence 94, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177, 648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H21
US-11-177-648-94

Query Match 94.1%; Score 2242.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 4.4e-136;
Matches 423; Conservative 5; Mismatches 15; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAEVKKPSSVKVCASGTTFTSYRMHWVRQAPGQGLEWIGYINPSGTYEY 60
Db 20 QVQLVQSGAEVKKPSSVKVCASGTTFTSYRMHWVRQAPGQGLEWIGYINPSGTYEY 79
Qy 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
Db 80 NEKPKSKATITLVDSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLVTVSSASTK 136
Qy 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
Db 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
Qy 181 LSSVTVTPSSSLGQTYICNVNHKPSNTKVDKVEPKSCDKHTCTPCPAPBELLAGPSVF 240
Db 197 LSSVTVTPSSSLGQTYICNVNHKPSNTKVDKVEPKSCDKHTCTPCPAPBELLAGPSVF 256
Qy 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREEQYNSTYR 300
Db 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKRREEQYNSTYR 316
Qy 301 VVSIVTLVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 317 VVSIVTLVHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
Qy 361 QVSLTCLVKGFPYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 420
Db 377 QVSLTCLVKGFPYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN 436
Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 437 VFSCSVHEALHNHYTKSLSPGK 462

RESULT 13

US-11-177-648-97
; Sequence 97, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis

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; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H24
US-11-177-648-97

Query Match          94.1%; Score 2241.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 5.1e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;

QY 1 QVOLVQSGAEVKKPSSSVKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTEY 60
DB 20 QVOLVQSGAEVKKPSSSVKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTNY 79
QY 61 NQKPKDKATTADSTNTAYMELSLRSBDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 80 NEKFKSKATLTVDSTSTAYMELSLRSBDTAVYYCBLGGQ---YMGQGLTVTVSSASTK 136
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 180
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 196
QY 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 196
DB 181 LSSVTVTPSSSLGTQTYICNVNHRPSNTKVDKVEPKSCDKHTHCPCPAPDELGGPSVF 240
QY 197 LSSVTVTPSSSLGTQTYICNVNHRPSNTKVDKVEPKSCDKHTHCPCPAPDELGGPSVF 256
DB 241 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFMVYDGYEVNNAKTKPREEOYNSTYR 300
QY 257 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFMVYDGYEVNNAKTKPREEOYNSTYR 316
DB 301 VVSVLTVLHOMLNGKEKCKVSNKALPAPIEKTIISKAKGPREFQVYTLTPSRDELTKN 360
QY 317 VVSVLTVLHOMLNGKEKCKVSNKALPAPIEKTIISKAKGPREFQVYTLTPSRDELTKN 376
DB 361 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGDFLYSKLTVDKSRWQGN 420
QY 377 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGDFLYSKLTVDKSRWQGN 436
DB 421 VFSCSVLHEALHNHYTKSLSPGK 446
QY 437 VFSCSVLHEALHNHYTKSLSPGK 462
DB 437 VFSCSVLHEALHNHYTKSLSPGK 462

RESULT 14
US-11-177-648-96
; Sequence 96, Application US/11/177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry ELLIS
; APPLICANT: Paul Andrew HAMELIN
; APPLICANT: Paul Alexander WILSON
; APPLICANT: Alan Peter LEWIS
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
```

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; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 96
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H23
US-11-177-648-96

Query Match          94.1%; Score 2240.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 5.9e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;

QY 1 QVOLVQSGAEVKKPSSSVKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTEY 60
DB 20 QVOLVQSGAEVKKPSSSVKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTNY 79
QY 61 NQKPKDKATTADSTNTAYMELSLRSBDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 80 NEKFKSKATLTVDSTSTAYMELSLRSBDTAVYYCBLGGQ---YMGQGLTVTVSSASTK 136
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 180
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 196
QY 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMKGALTSGVHTFPAVLOSSGLYS 196
DB 181 LSSVTVTPSSSLGTQTYICNVNHRPSNTKVDKVEPKSCDKHTHCPCPAPDELGGPSVF 240
QY 197 LSSVTVTPSSSLGTQTYICNVNHRPSNTKVDKVEPKSCDKHTHCPCPAPDELGGPSVF 256
DB 241 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFMVYDGYEVNNAKTKPREEOYNSTYR 300
QY 257 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFMVYDGYEVNNAKTKPREEOYNSTYR 316
DB 301 VVSVLTVLHOMLNGKEKCKVSNKALPAPIEKTIISKAKGPREFQVYTLTPSRDELTKN 360
QY 317 VVSVLTVLHOMLNGKEKCKVSNKALPAPIEKTIISKAKGPREFQVYTLTPSRDELTKN 376
DB 361 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGDFLYSKLTVDKSRWQGN 420
QY 377 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGDFLYSKLTVDKSRWQGN 436
DB 421 VFSCSVLHEALHNHYTKSLSPGK 446
QY 437 VFSCSVLHEALHNHYTKSLSPGK 462
DB 437 VFSCSVLHEALHNHYTKSLSPGK 462

RESULT 15
US-11-177-648-92
; Sequence 92, Application US/11/177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry ELLIS
; APPLICANT: Paul Andrew HAMELIN
; APPLICANT: Paul Alexander WILSON
; APPLICANT: Alan Peter LEWIS
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92
; LENGTH: 462
```

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: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: 2A10 heavy chain humanised construct H19
US-11-177-648-92

Query Match      94.0%; Score 2239.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 6,8e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;

QY      1 QVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db      20 QVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMHWVRQRPQGQGLEWIGININPSNGGTTY 79
QY      61 NQKPKDKATITADSTNTAYMELSLRSEDTAVYYCARGGVFPDWGQGLTVTVSSASTK 120
Db      80 NEKPKSRATMTDRDSTSTAYMELSLRSEDTAVYYCELGGQ--YWGQGLTVTVSSASTK 136
QY      121 GPSVFPLAPSSKSTSGGTALGCLVKDYFPPRPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
Db      137 GPSVFPLAPSSKSTSGGTALGCLVKDYFPPRPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
QY      181 LSSVYTVPPSSSLGTQTYICNVNHKPSNTKVDKVEPKSCDKTHTCPCPAPPELLGGPVF 240
Db      197 LSSVYTVPPSSSLGTQTYICNVNHKPSNTKVDKVEPKSCDKTHTCPCPAPDELGAAPSVF 256
QY      241 LPPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEQYNSTYR 300
Db      257 LPPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEQYNSTYR 316
QY      301 VVSIVLTVLHQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db      317 VVSIVLTVLHQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
QY      361 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRWQGN 420
Db      377 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRWQGN 436
QY      421 VFSCSVLHEALHNHYTOKSLSLSPGK 446
Db      437 VFSCSVMHREALHNHYTOKSLSLSPGK 462
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Search completed: May 15, 2006, 12:03:28
Job time : 26.7178 secs